

Appendix Test Data

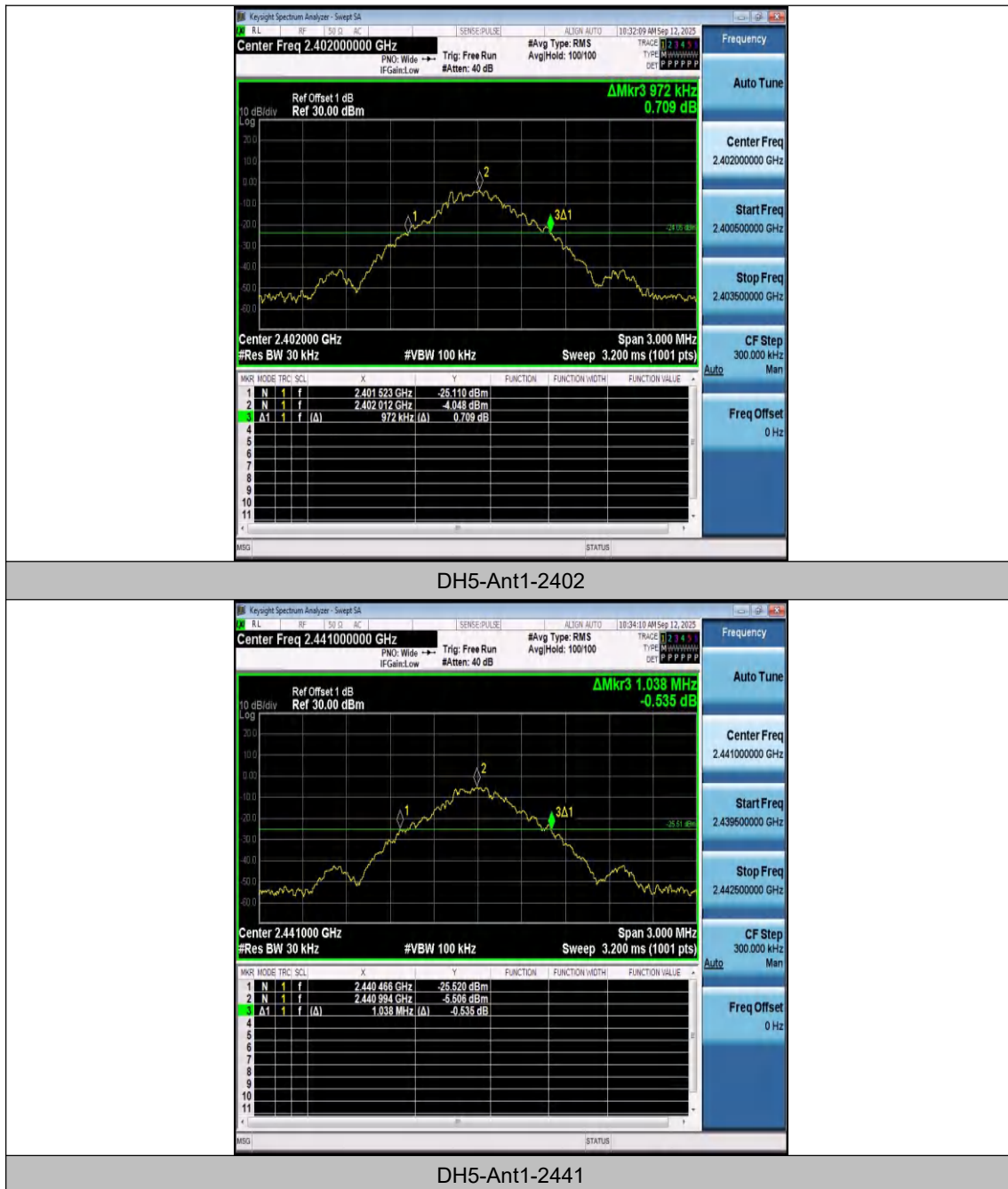
Report No.:	1812C50469812501	Test Sample No.:	1-2-2
Start Test Date:	2025-09-18	Finish Test Date:	2025-09-18
Test Engineer:	<i>Alex Peng</i>	Auditor:	<i>Justin Feng</i>
Temperature:	24.7°C	Relative Humidity:	60%
Pressure:	101kPa		

Appendix A: 20dB Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.972	2401.523	2402.495	---	---
DH5	Ant1	2441	1.038	2440.466	2441.504	---	---
DH5	Ant1	2480	1.029	2479.460	2480.489	---	---
2DH5	Ant1	2402	1.278	2401.367	2402.645	---	---
2DH5	Ant1	2441	1.269	2440.370	2441.639	---	---
2DH5	Ant1	2480	1.272	2479.370	2480.642	---	---
3DH5	Ant1	2402	1.251	2401.367	2402.618	---	---
3DH5	Ant1	2441	1.284	2440.352	2441.636	---	---
3DH5	Ant1	2480	1.248	2479.364	2480.612	---	---

Test Graphs



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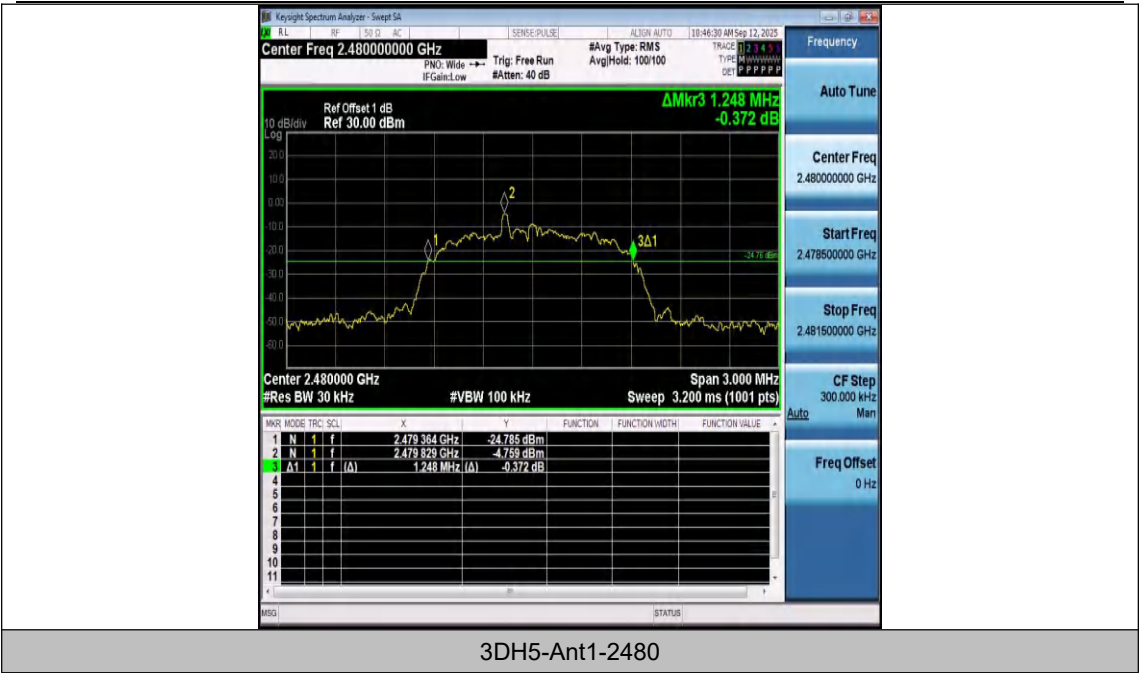
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3DH5-Ant1-2480

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Appendix B: 99% Occupied Bandwidth

Test Result

Test Mode	Antenna	Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87666	2401.5596	2402.4362	---	---
DH5	Ant1	2441	0.92168	2440.5423	2441.4640	---	---
DH5	Ant1	2480	0.89822	2479.5520	2480.4502	---	---
2DH5	Ant1	2402	1.1726	2401.4129	2402.5855	---	---
2DH5	Ant1	2441	1.1627	2440.4152	2441.5779	---	---
2DH5	Ant1	2480	1.1815	2479.4061	2480.5876	---	---
3DH5	Ant1	2402	1.1578	2401.4205	2402.5783	---	---
3DH5	Ant1	2441	1.1955	2440.4020	2441.5975	---	---
3DH5	Ant1	2480	1.1832	2479.4077	2480.5909	---	---

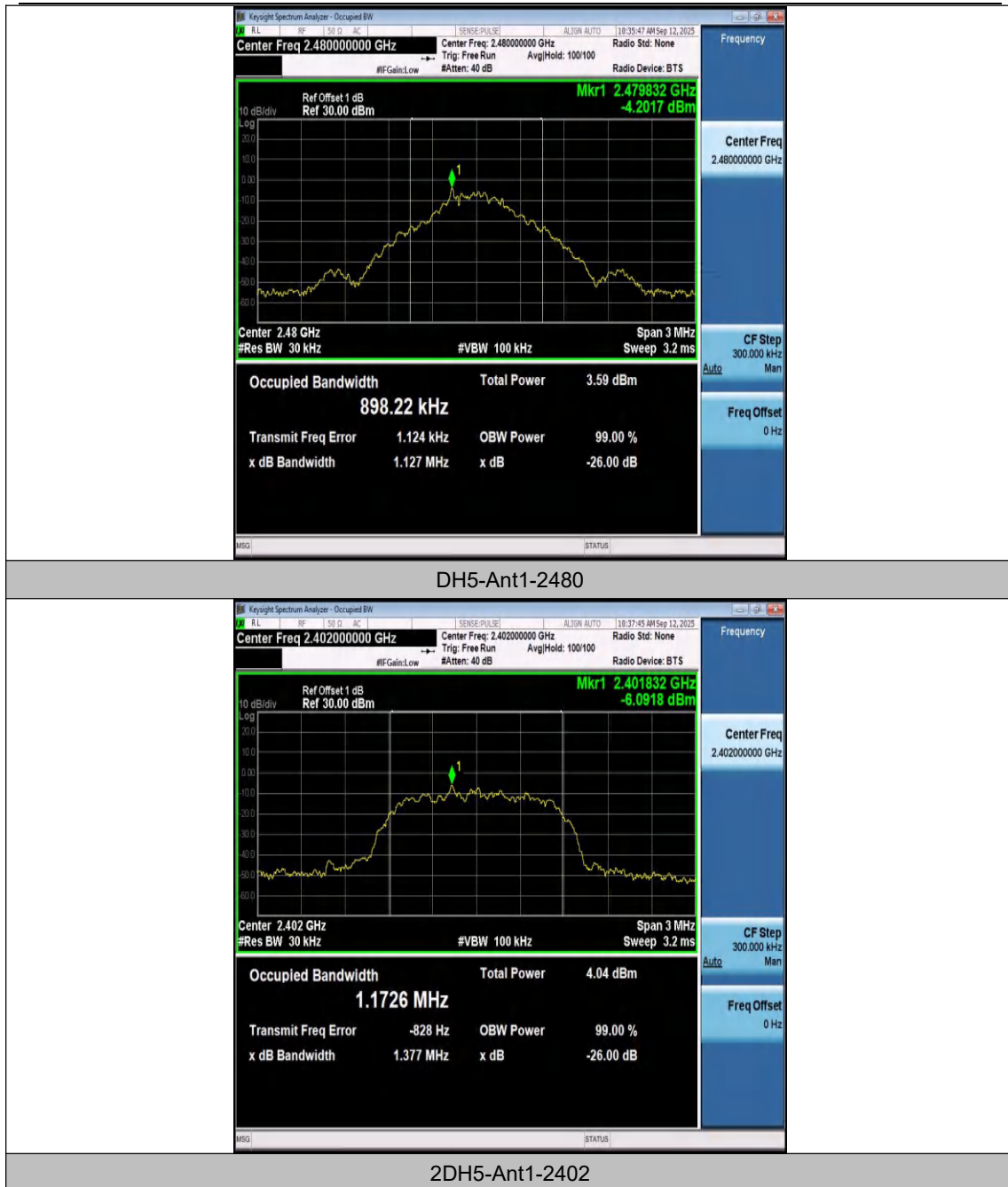
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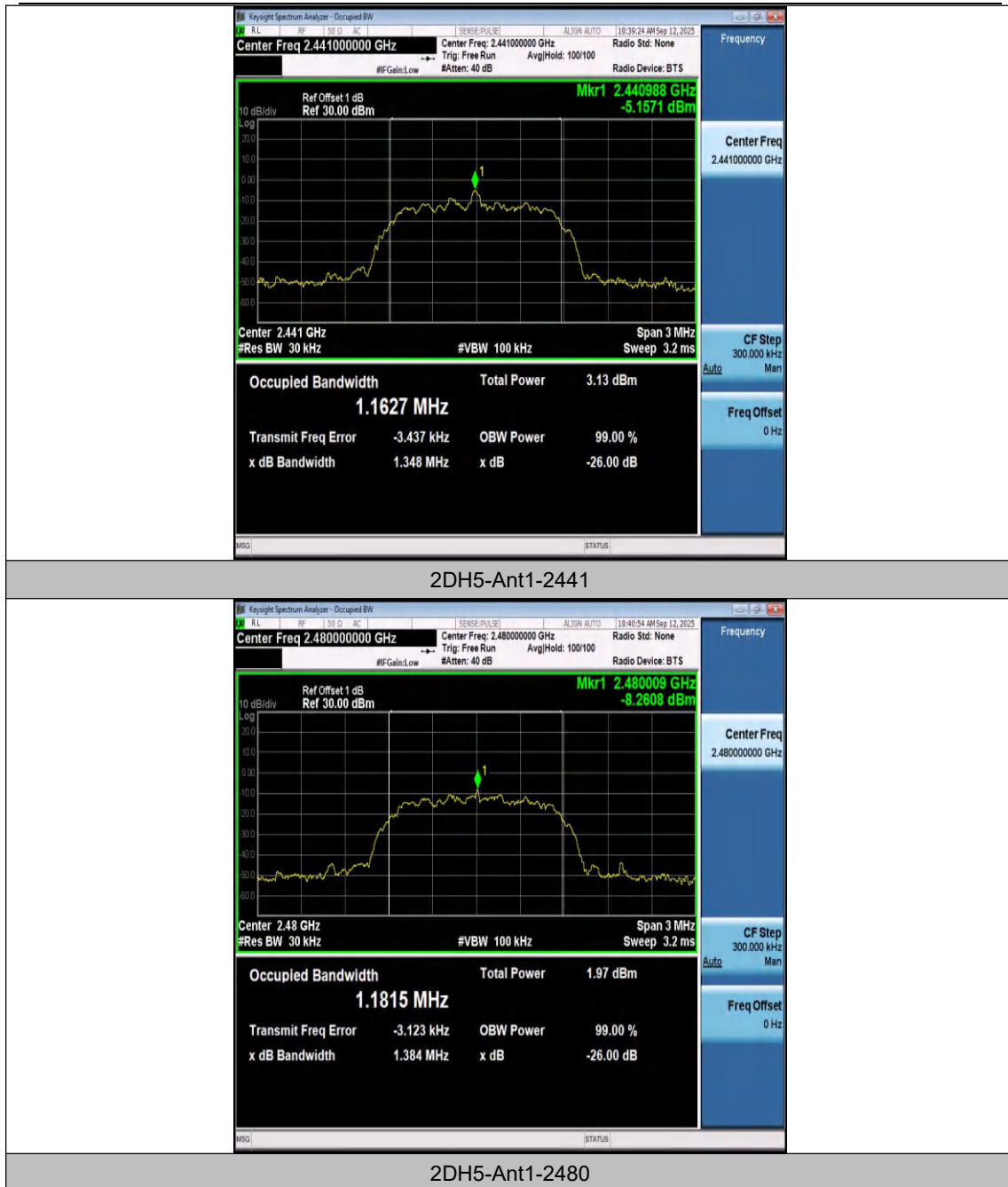
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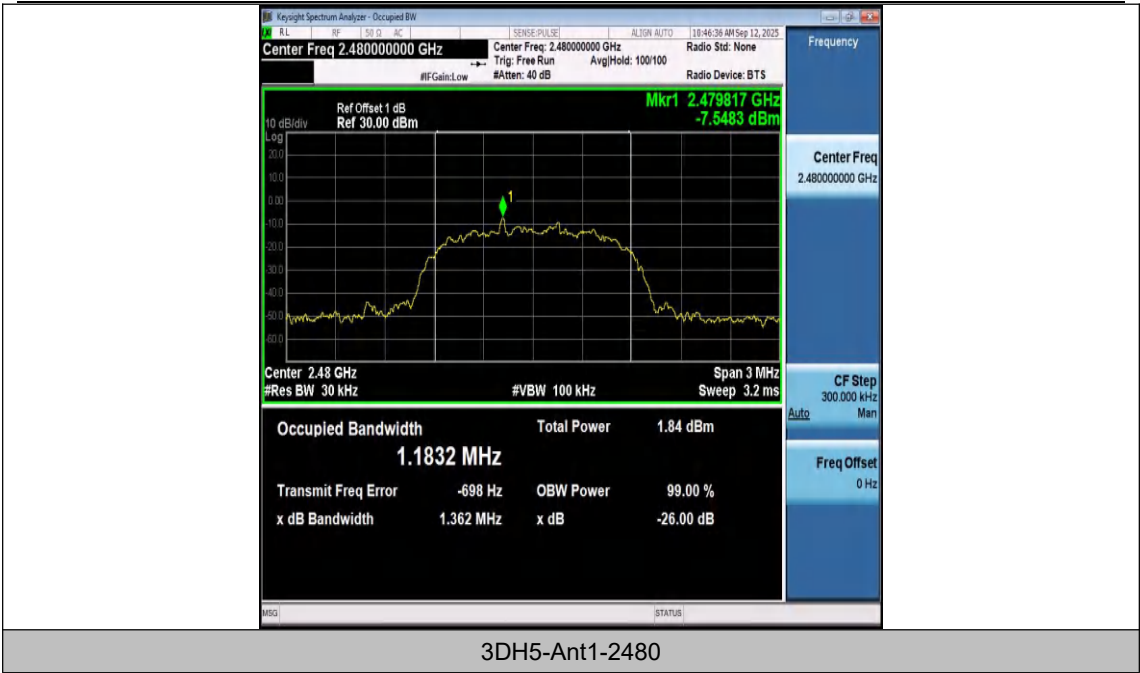
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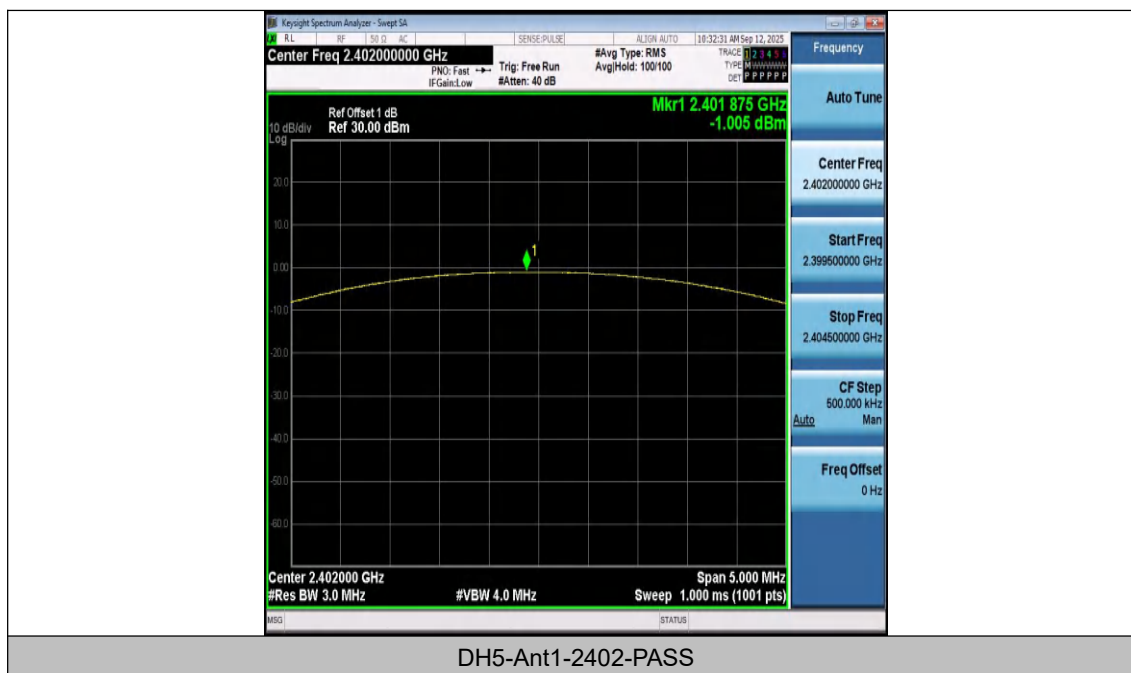
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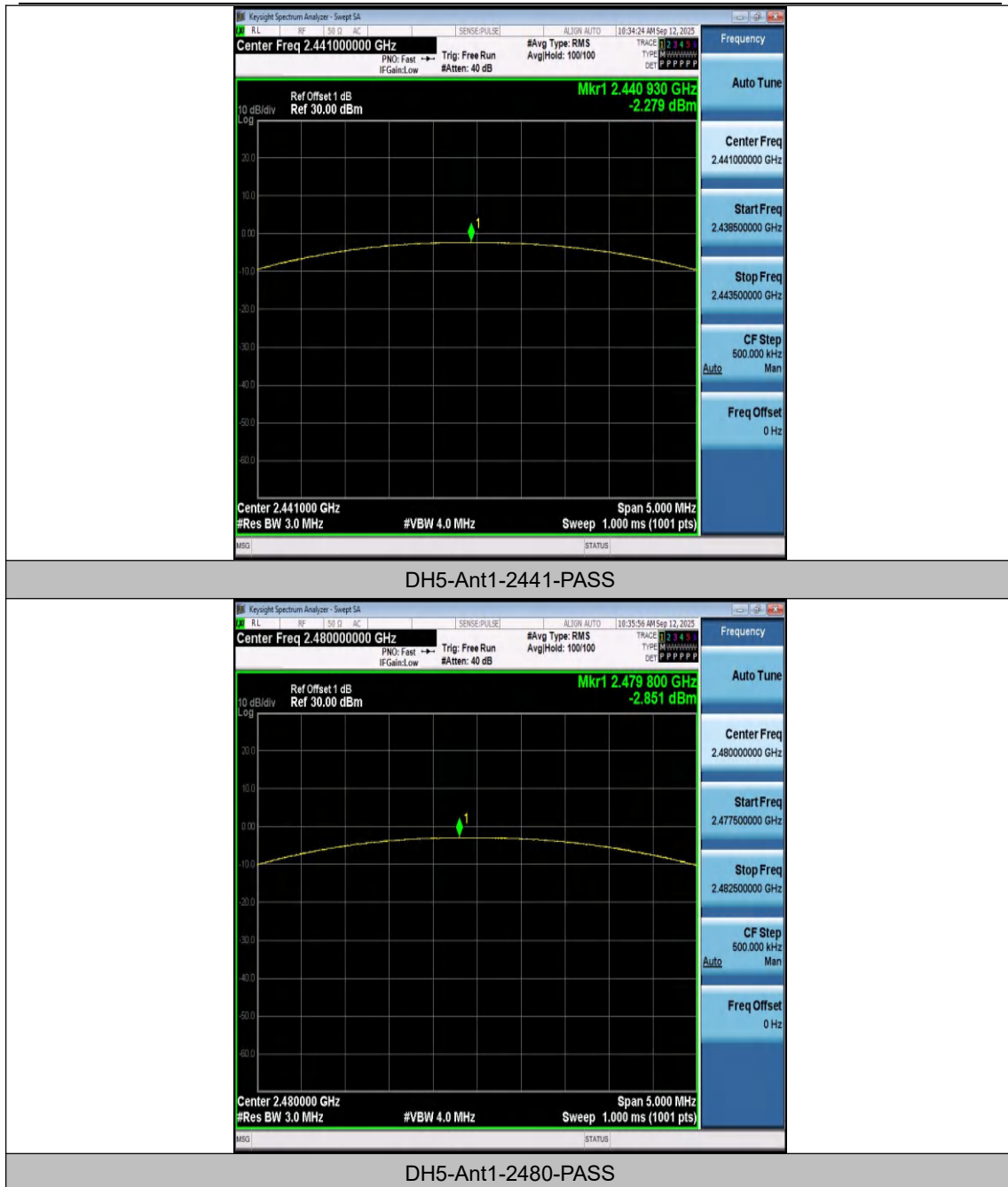
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-1.01	≤20.97	PASS
DH5	Ant1	2441	-2.28	≤20.97	PASS
DH5	Ant1	2480	-2.85	≤20.97	PASS
2DH5	Ant1	2402	-0.19	≤20.97	PASS
2DH5	Ant1	2441	-1.48	≤20.97	PASS
2DH5	Ant1	2480	-2.08	≤20.97	PASS
3DH5	Ant1	2402	0.25	≤20.97	PASS
3DH5	Ant1	2441	-1.25	≤20.97	PASS
3DH5	Ant1	2480	-1.88	≤20.97	PASS

Test Graphs

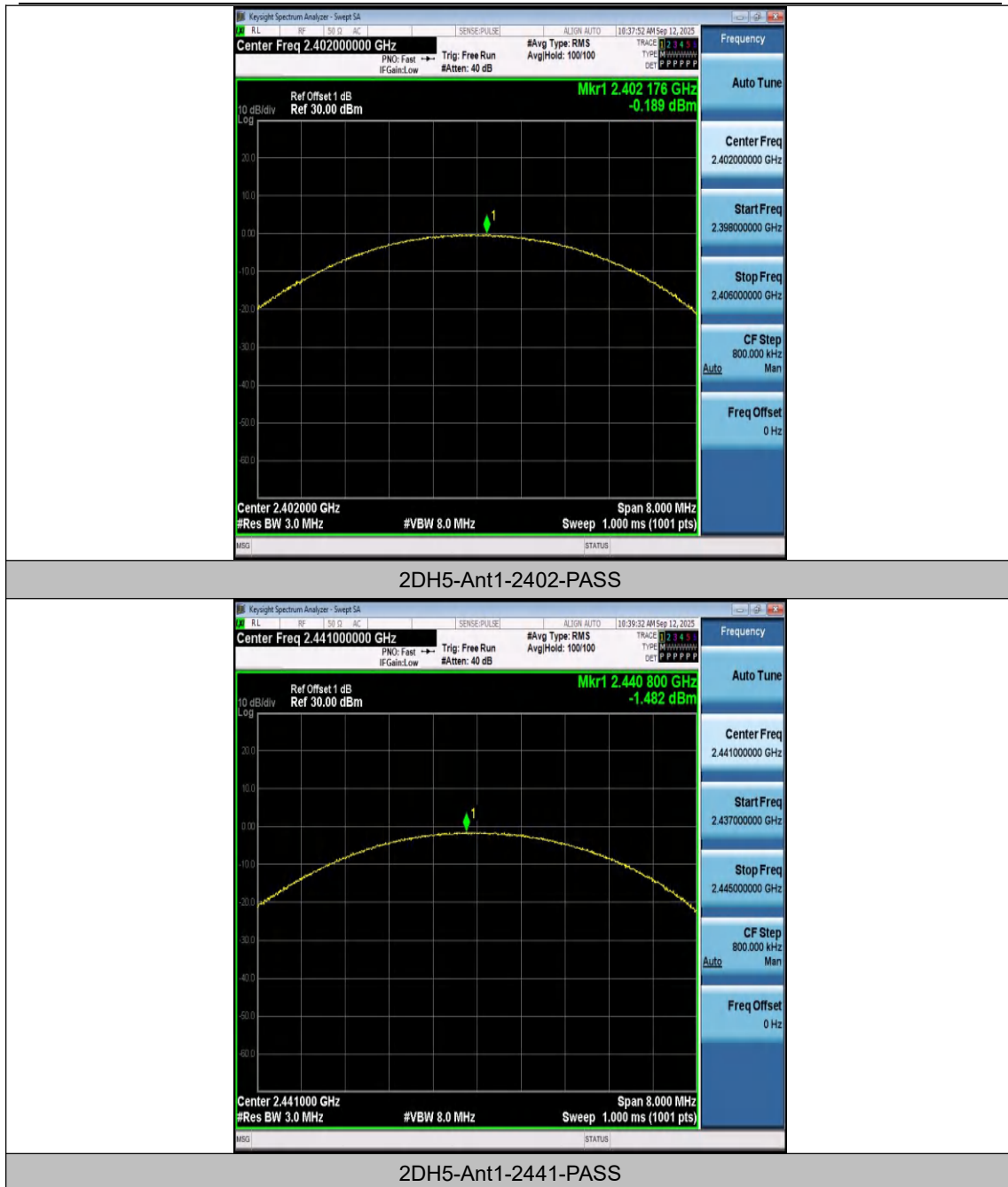




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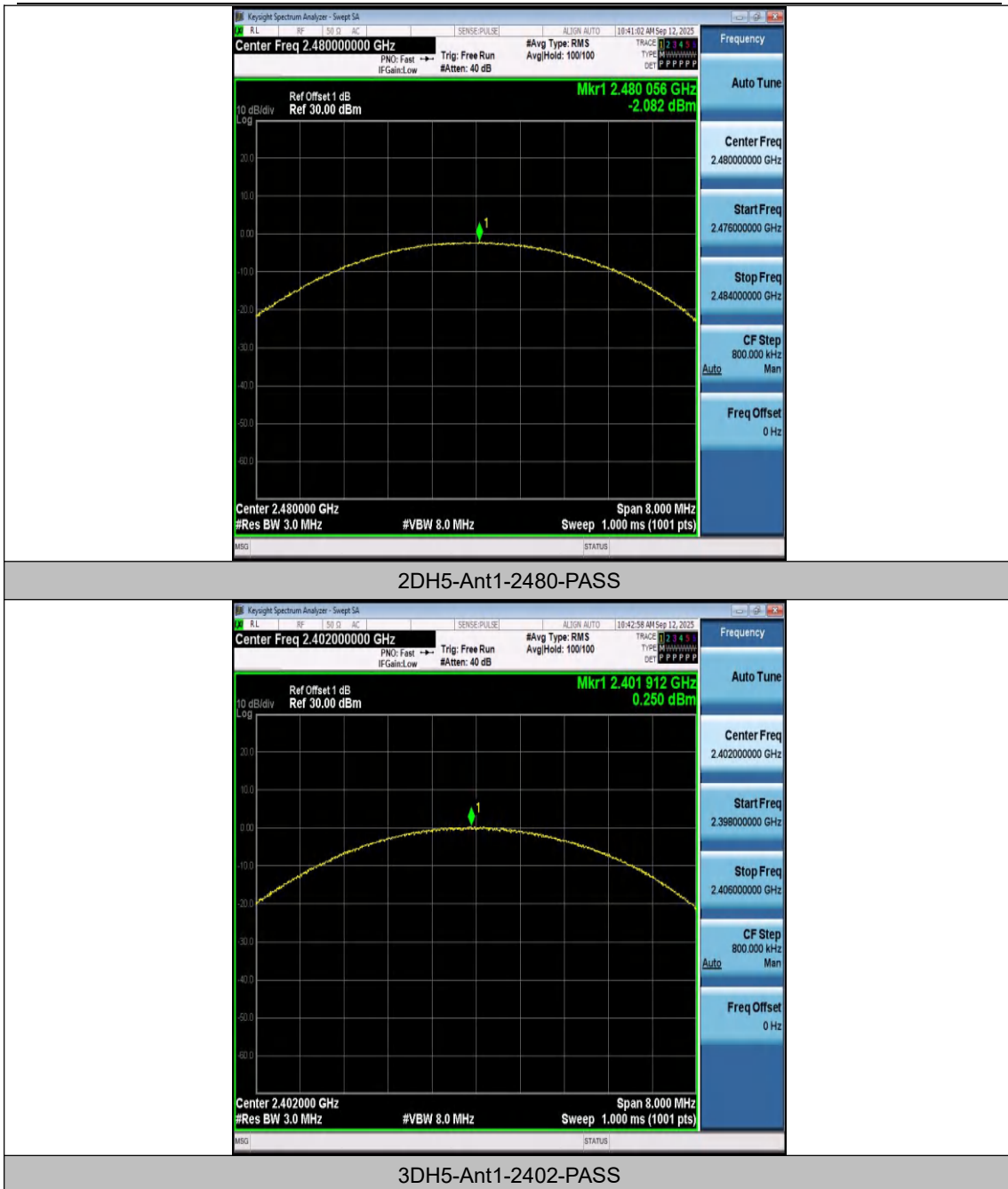
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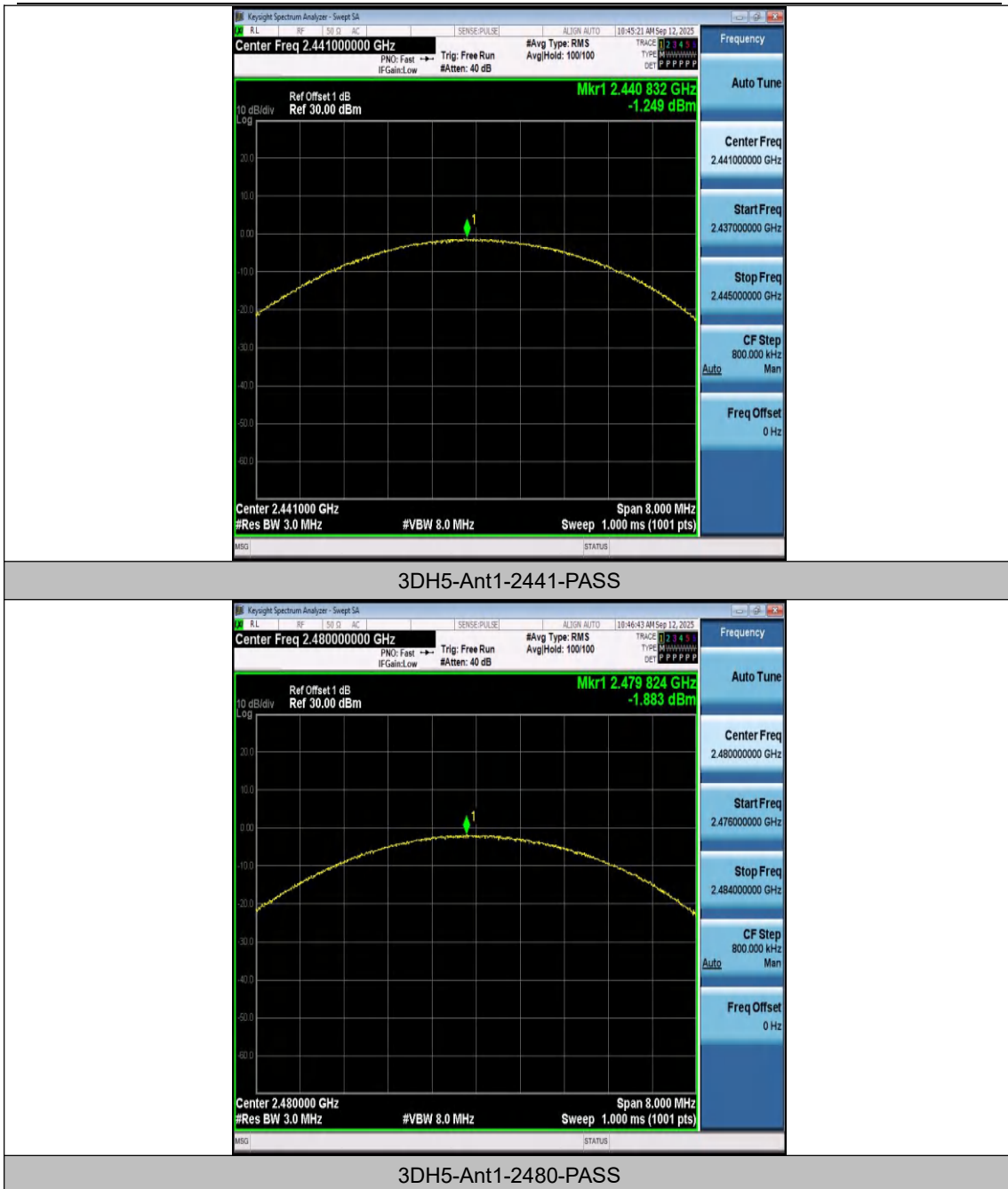
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Appendix D: Carrier frequency separation

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.008	≥0.692	PASS
2DH5	Ant1	Hop	1	≥0.852	PASS
3DH5	Ant1	Hop	1.15	≥0.856	PASS

Test Graphs



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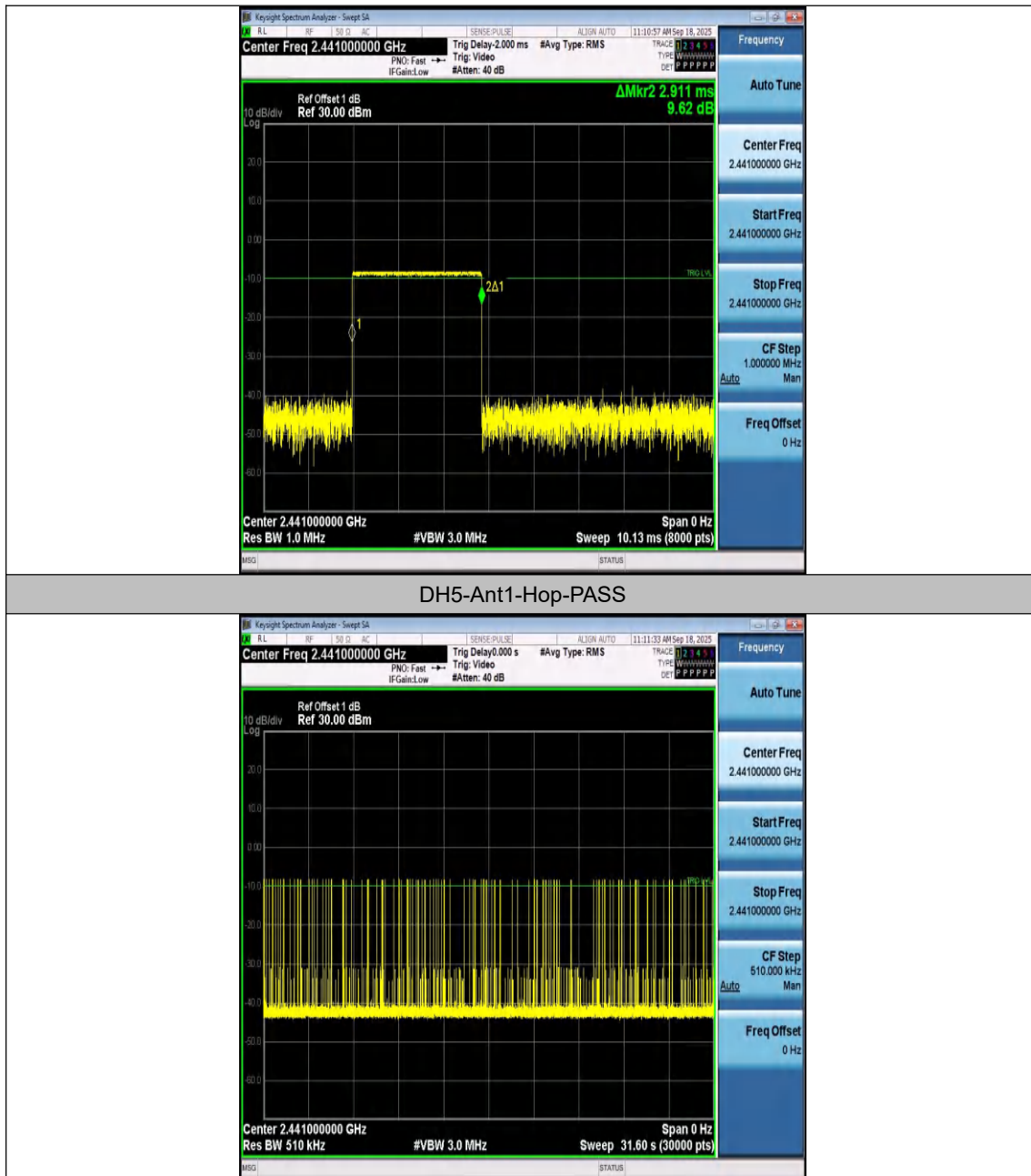
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Appendix E: Dwell Time

Test Result

Test Mode	Antenna	Frequency [MHz]	Burst Width [ms]	Total Hops [Num]	Result [s]	Limit [s]	Verdict
DH5	Ant1	Hop	2.911	121	0.352	≤0.4	PASS
2DH5	Ant1	Hop	2.916	107	0.312	≤0.4	PASS
3DH5	Ant1	Hop	2.920	107	0.312	≤0.4	PASS

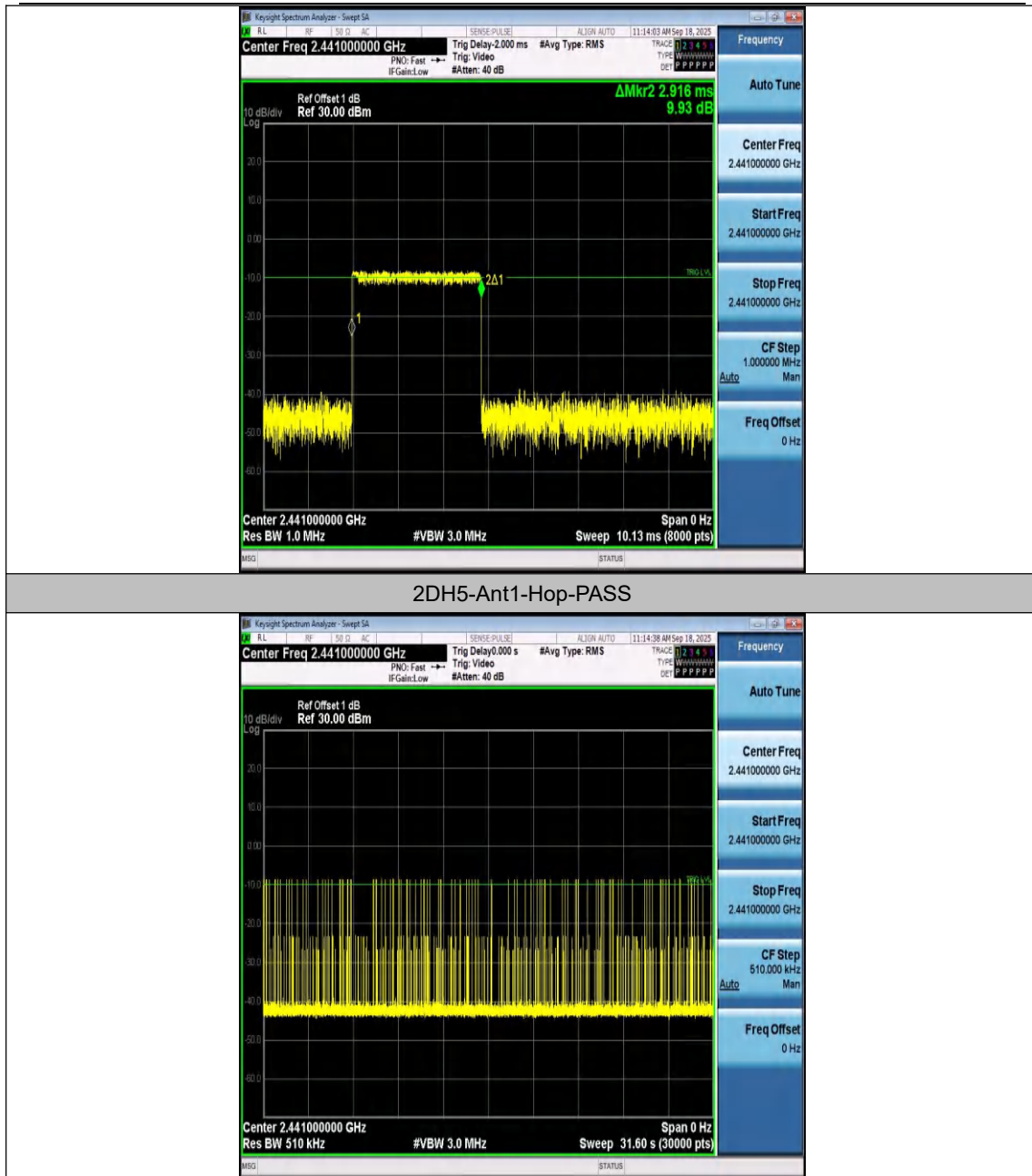
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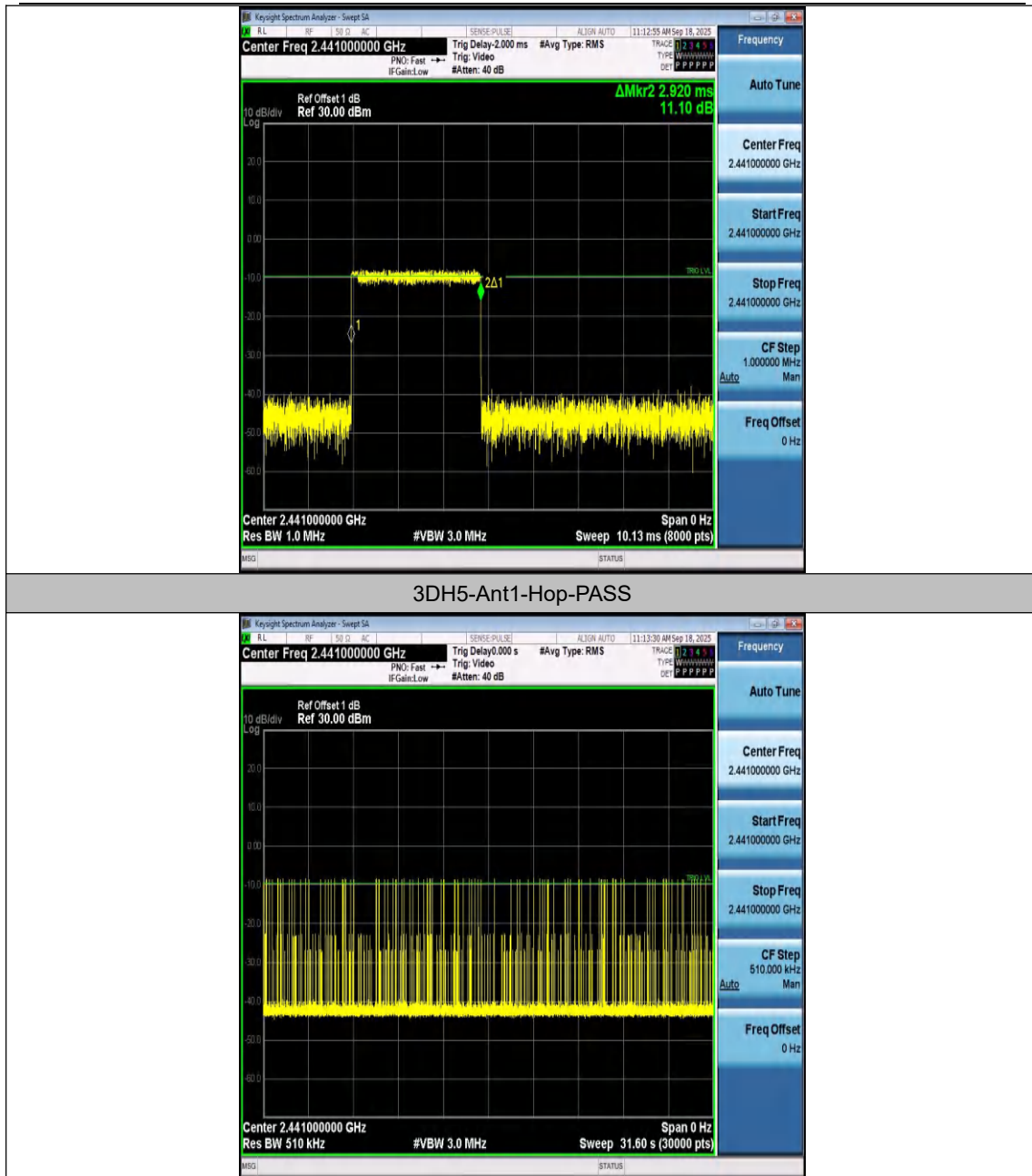
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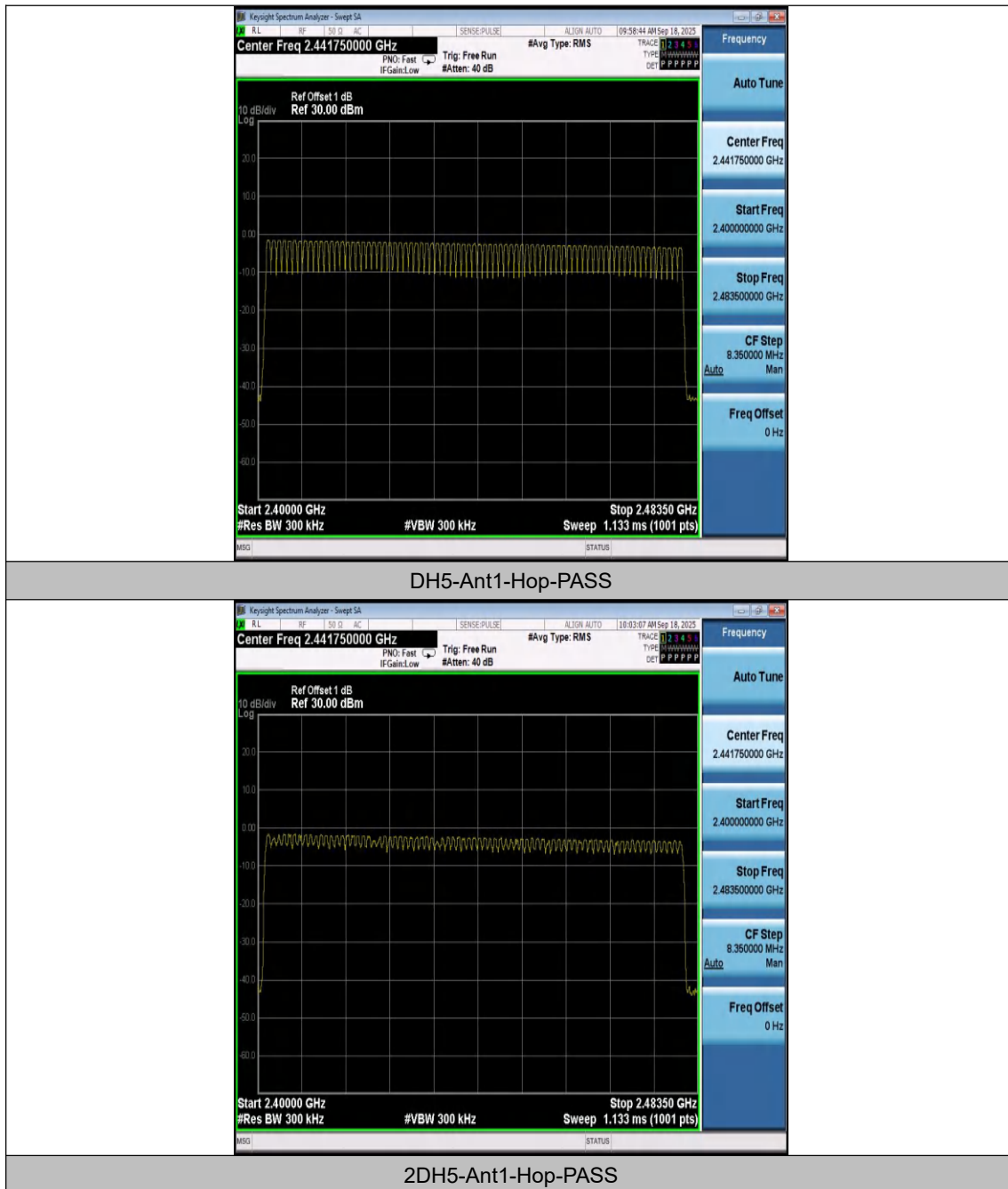
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Appendix F: Number of Hopping Channel

Test Result

Test Mode	Antenna	Frequency [MHz]	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

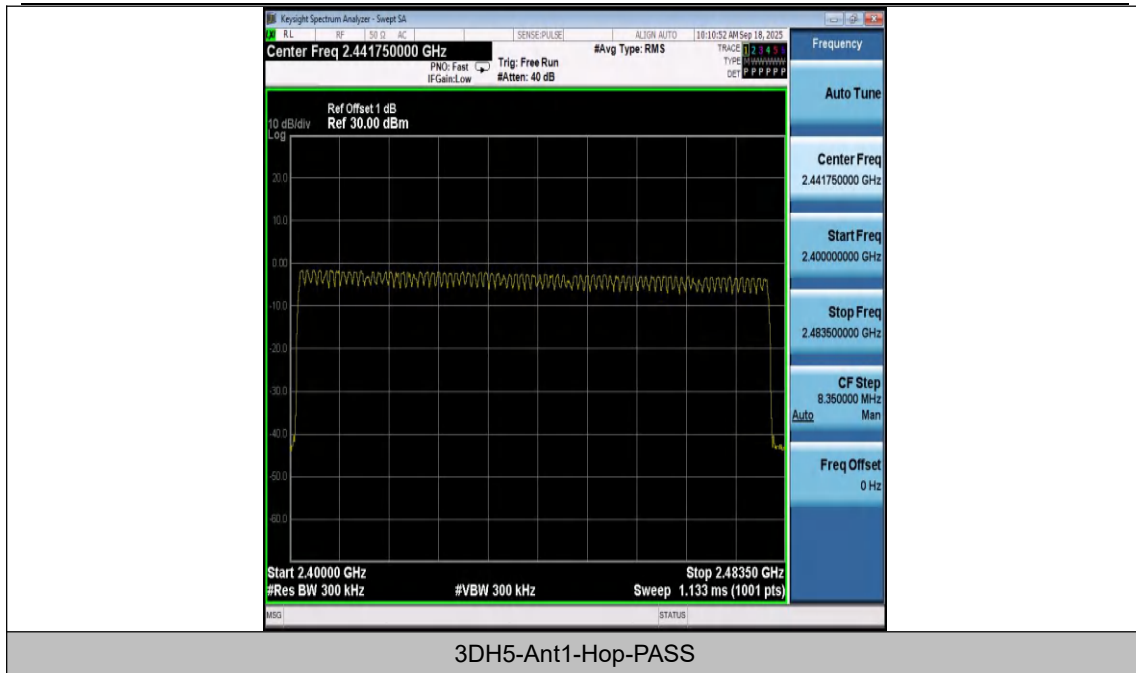
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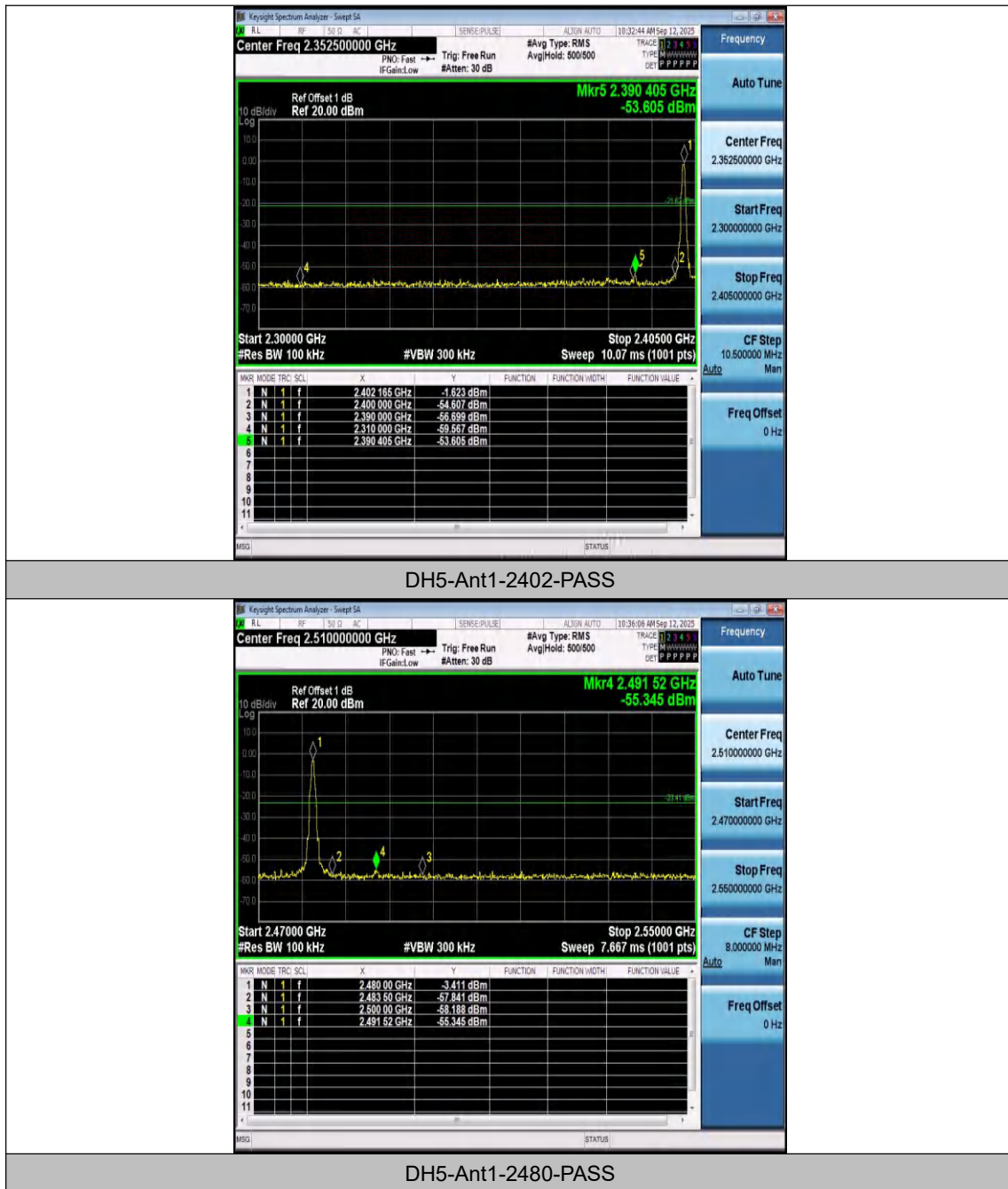
Appendix G: Conducted Band edge

Test Result

Test Mode	Antenna	Ch. Name	Frequency [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-1.62	-53.61	≤-21.62	PASS
DH5	Ant1	High	2480	-3.41	-55.35	≤-23.41	PASS
DH5	Ant1	Low	Hop_2402	-1.92	-54.2	≤-21.92	PASS
DH5	Ant1	High	Hop_2480	-1.58	-35.34	≤-21.58	PASS
2DH5	Ant1	Low	2402	-1.70	-54.37	≤-21.7	PASS
2DH5	Ant1	High	2480	-3.93	-39.04	≤-23.93	PASS
2DH5	Ant1	Low	Hop_2402	-2.23	-55.82	≤-22.23	PASS
2DH5	Ant1	High	Hop_2480	-4.12	-31.45	≤-24.12	PASS
3DH5	Ant1	Low	2402	-1.56	-54.9	≤-21.56	PASS
3DH5	Ant1	High	2480	-3.70	-32.8	≤-23.7	PASS
3DH5	Ant1	Low	Hop_2402	-1.85	-55.85	≤-21.85	PASS
3DH5	Ant1	High	Hop_2480	-3.54	-30.23	≤-23.54	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose have been set in the 'offset' of the Spectrum Analyzer during the test.

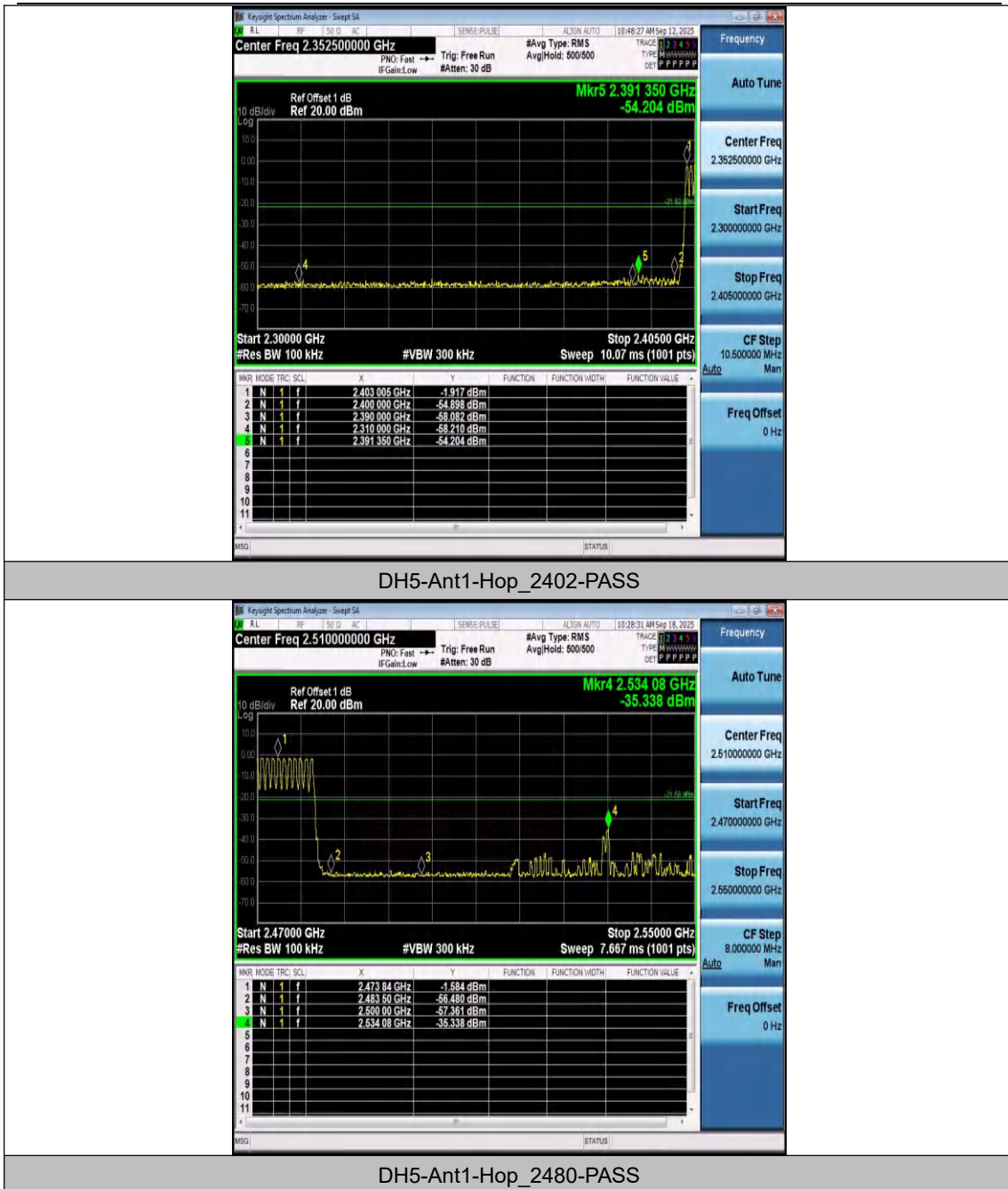
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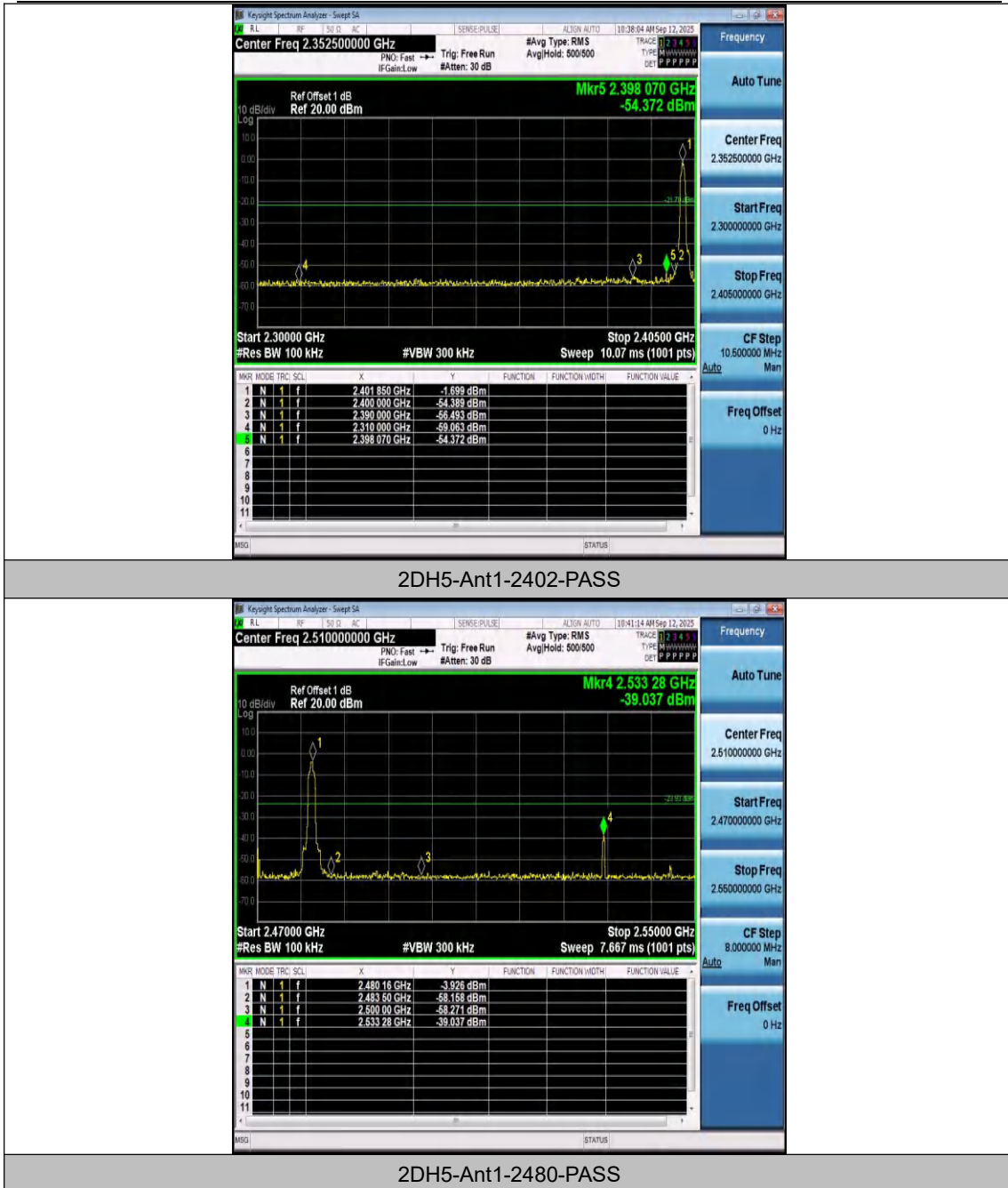


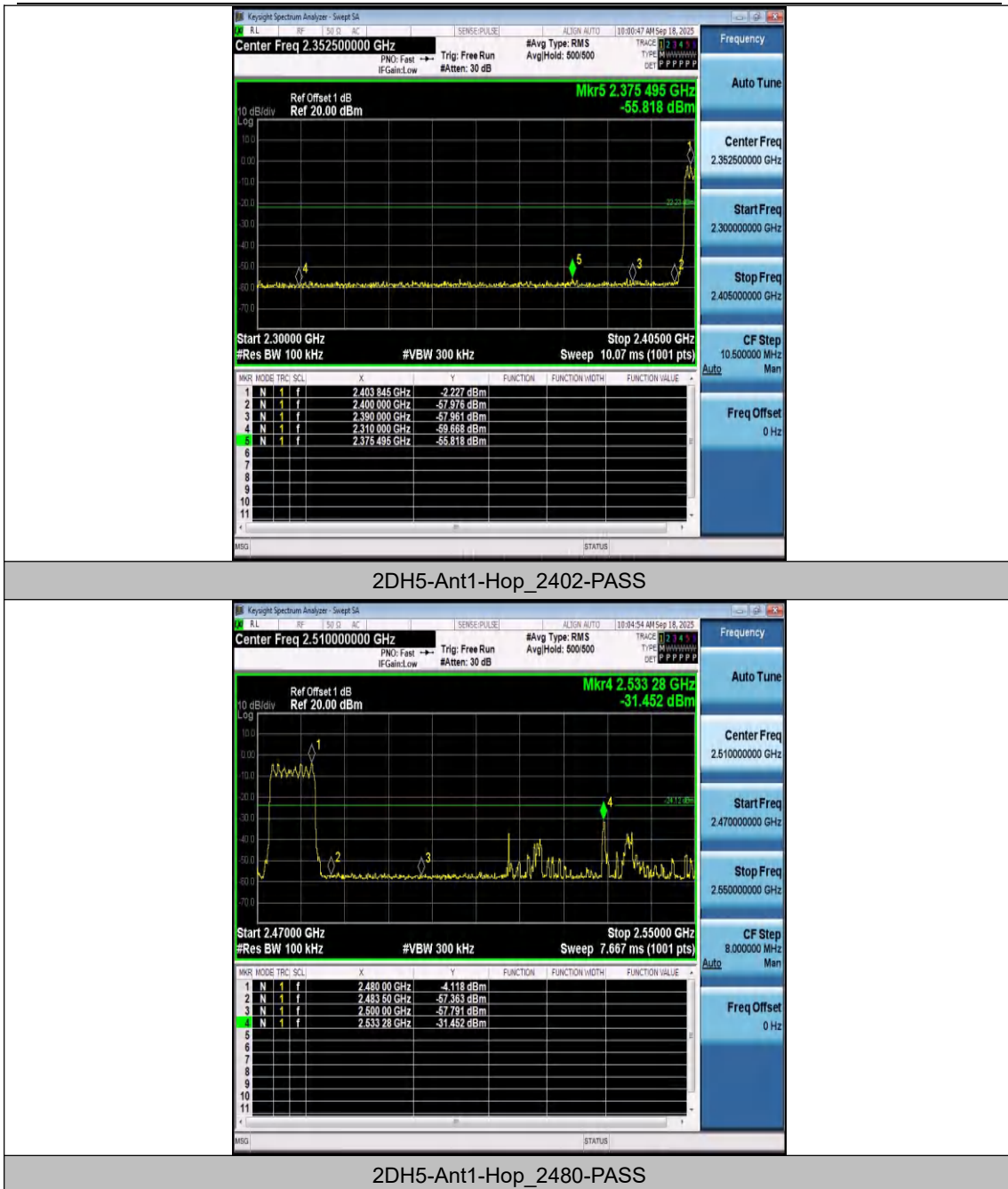
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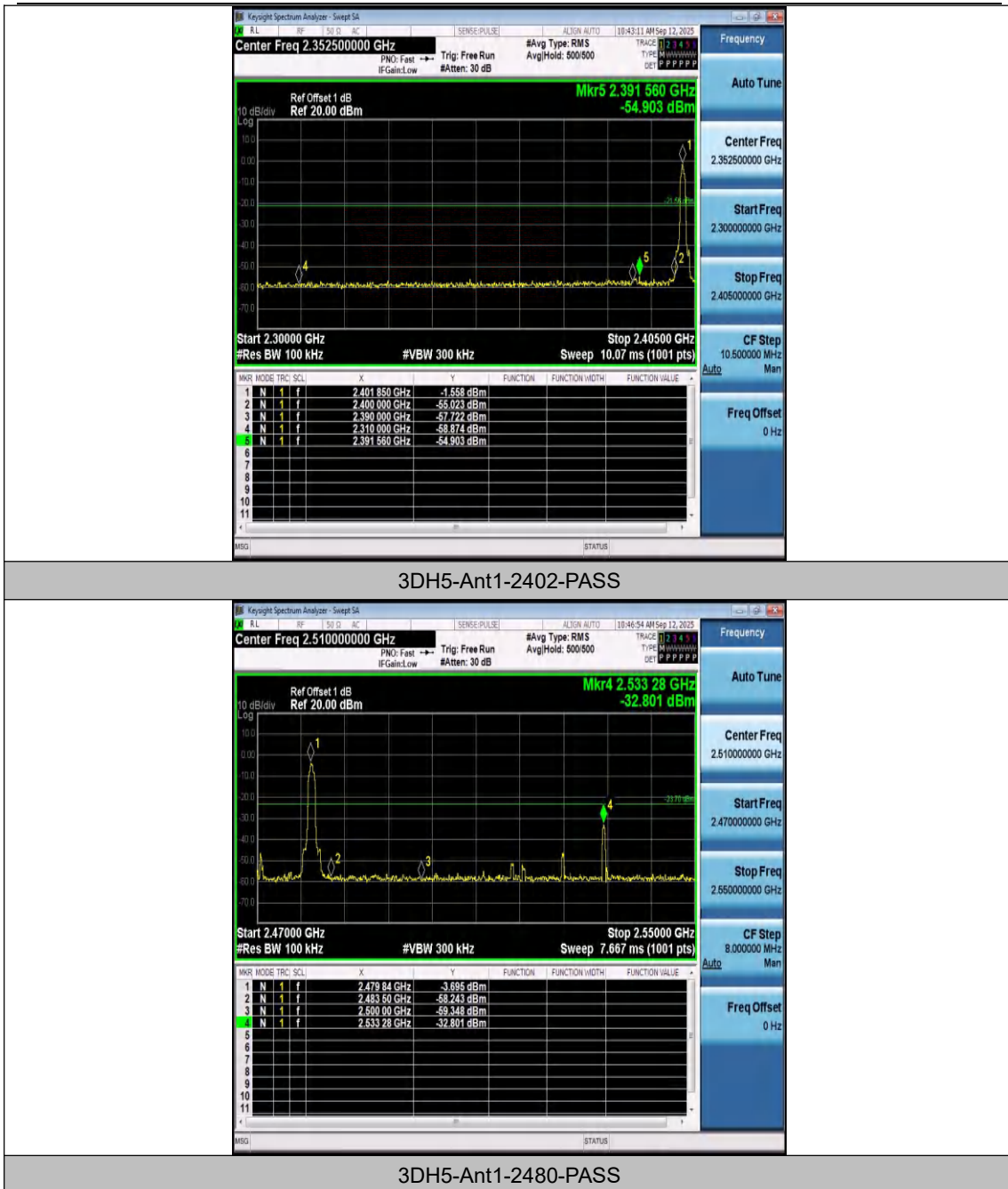
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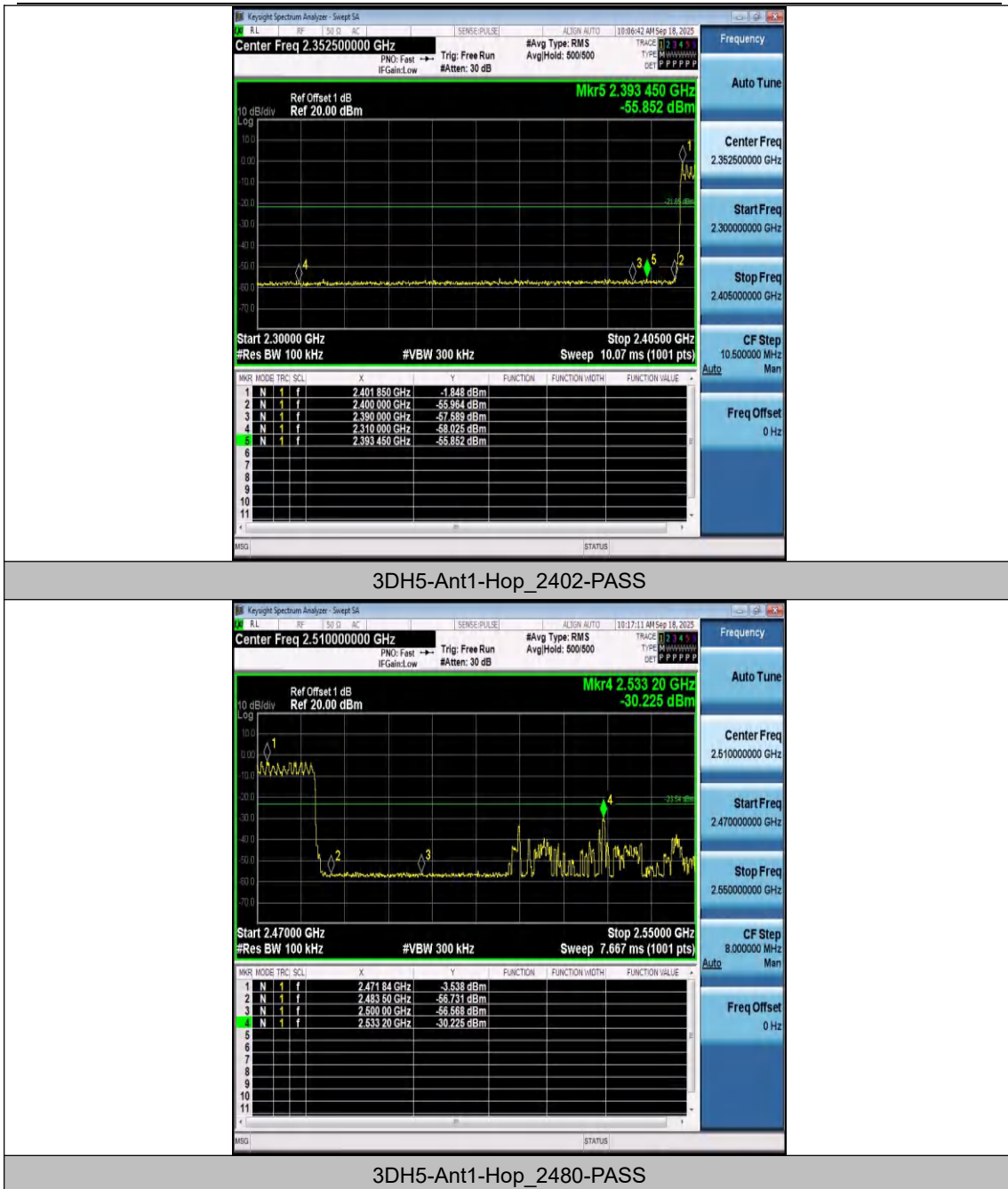




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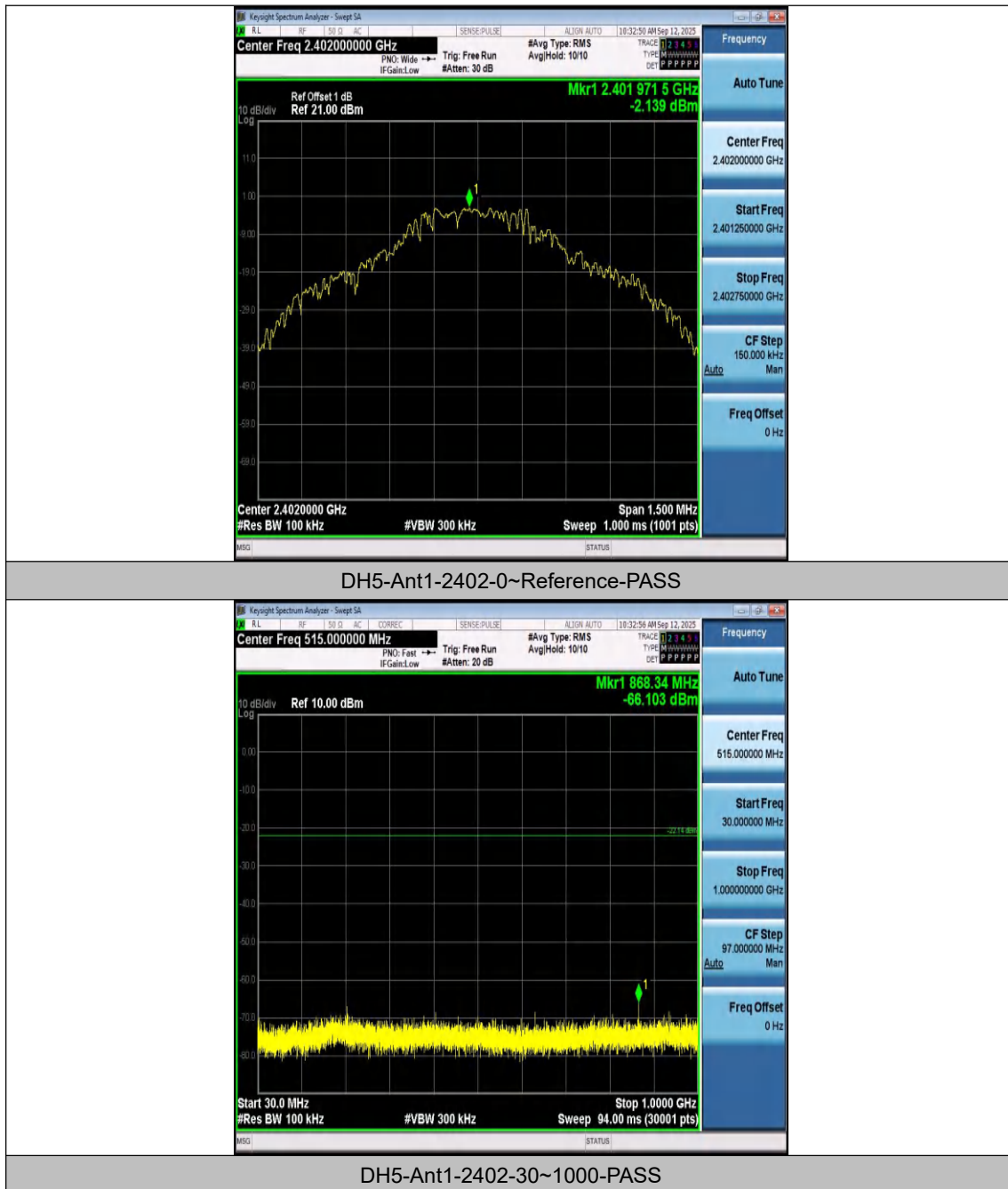
Appendix H: Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Freq. Range [MHz]	Ref. Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-2.14	-2.14	---	PASS
DH5	Ant1	2402	30~1000	-2.14	-66.1	≤-22.14	PASS
DH5	Ant1	2402	1000~26500	-2.14	-45.89	≤-22.14	PASS
DH5	Ant1	2441	0~Reference	-3.81	-3.81	---	PASS
DH5	Ant1	2441	30~1000	-3.81	-65.68	≤-23.81	PASS
DH5	Ant1	2441	1000~26500	-3.81	-40.65	≤-23.81	PASS
DH5	Ant1	2480	0~Reference	-4.05	-4.05	---	PASS
DH5	Ant1	2480	30~1000	-4.05	-65.92	≤-24.05	PASS
DH5	Ant1	2480	1000~26500	-4.05	-53.4	≤-24.05	PASS
2DH5	Ant1	2402	0~Reference	-2.21	-2.21	---	PASS
2DH5	Ant1	2402	30~1000	-2.21	-66.02	≤-22.21	PASS
2DH5	Ant1	2402	1000~26500	-2.21	-50.58	≤-22.21	PASS
2DH5	Ant1	2441	0~Reference	-4.37	-4.37	---	PASS
2DH5	Ant1	2441	30~1000	-4.37	-64.29	≤-24.37	PASS
2DH5	Ant1	2441	1000~26500	-4.37	-52.46	≤-24.37	PASS
2DH5	Ant1	2480	0~Reference	-4.32	-4.32	---	PASS
2DH5	Ant1	2480	30~1000	-4.32	-65.26	≤-24.32	PASS
2DH5	Ant1	2480	1000~26500	-4.32	-34.61	≤-24.32	PASS
3DH5	Ant1	2402	0~Reference	-5.40	-5.40	---	PASS
3DH5	Ant1	2402	30~1000	-5.40	-67.97	≤-25.4	PASS
3DH5	Ant1	2402	1000~26500	-5.40	-53.56	≤-25.4	PASS
3DH5	Ant1	2441	0~Reference	-4.93	-4.93	---	PASS
3DH5	Ant1	2441	30~1000	-4.93	-65.16	≤-24.93	PASS
3DH5	Ant1	2441	1000~26500	-4.93	-52.3	≤-24.93	PASS
3DH5	Ant1	2480	0~Reference	-3.94	-3.94	---	PASS
3DH5	Ant1	2480	30~1000	-3.94	-65.57	≤-23.94	PASS
3DH5	Ant1	2480	1000~26500	-3.94	-52.68	≤-23.94	PASS

Remark:Regarding the spurious emissions from 30MHz to 26.5GHz, the cable lose and attenuator factors have been set in the 'Input Correction' of the Spectrum Analyzer during the test.

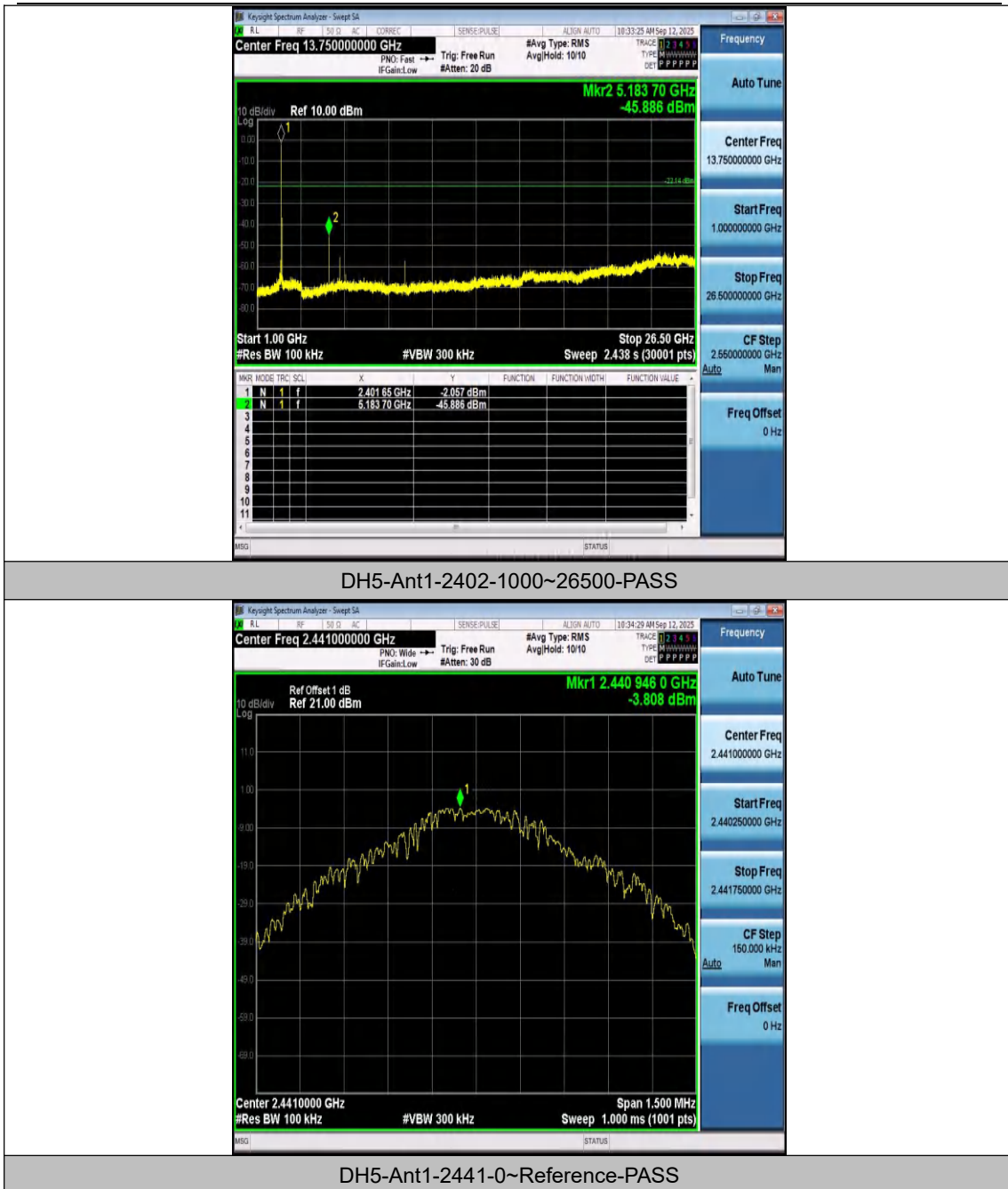
Test Graphs



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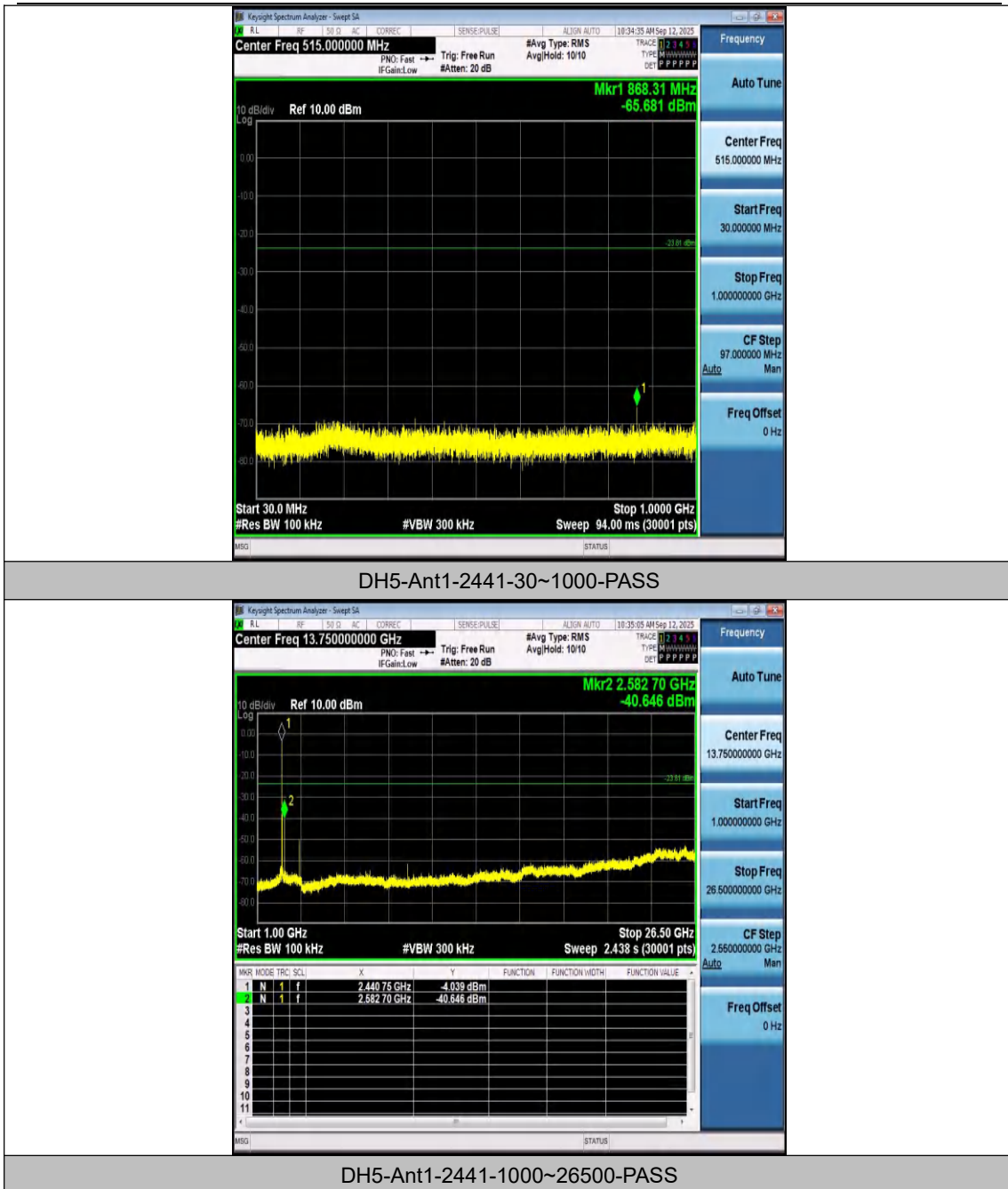
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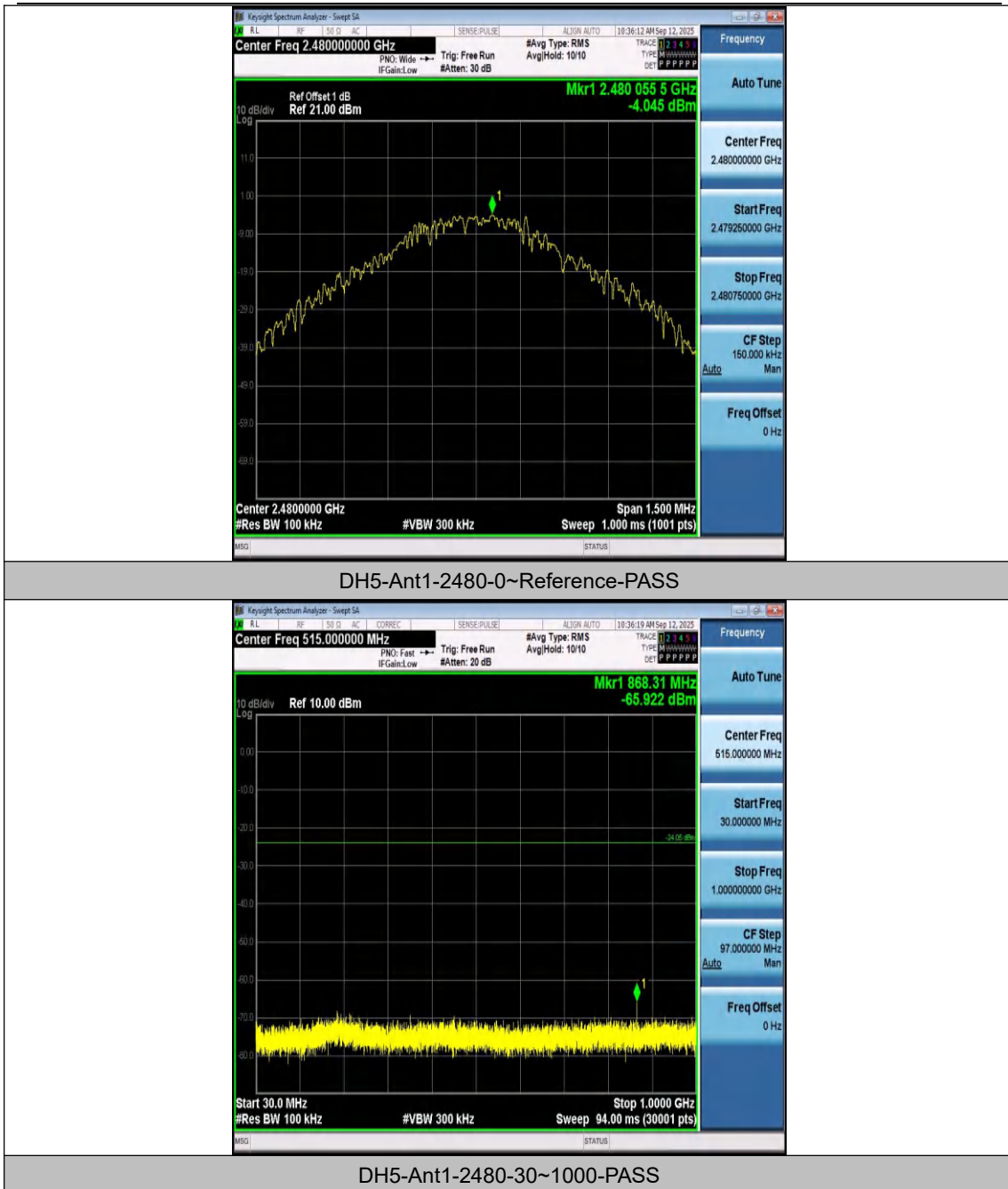
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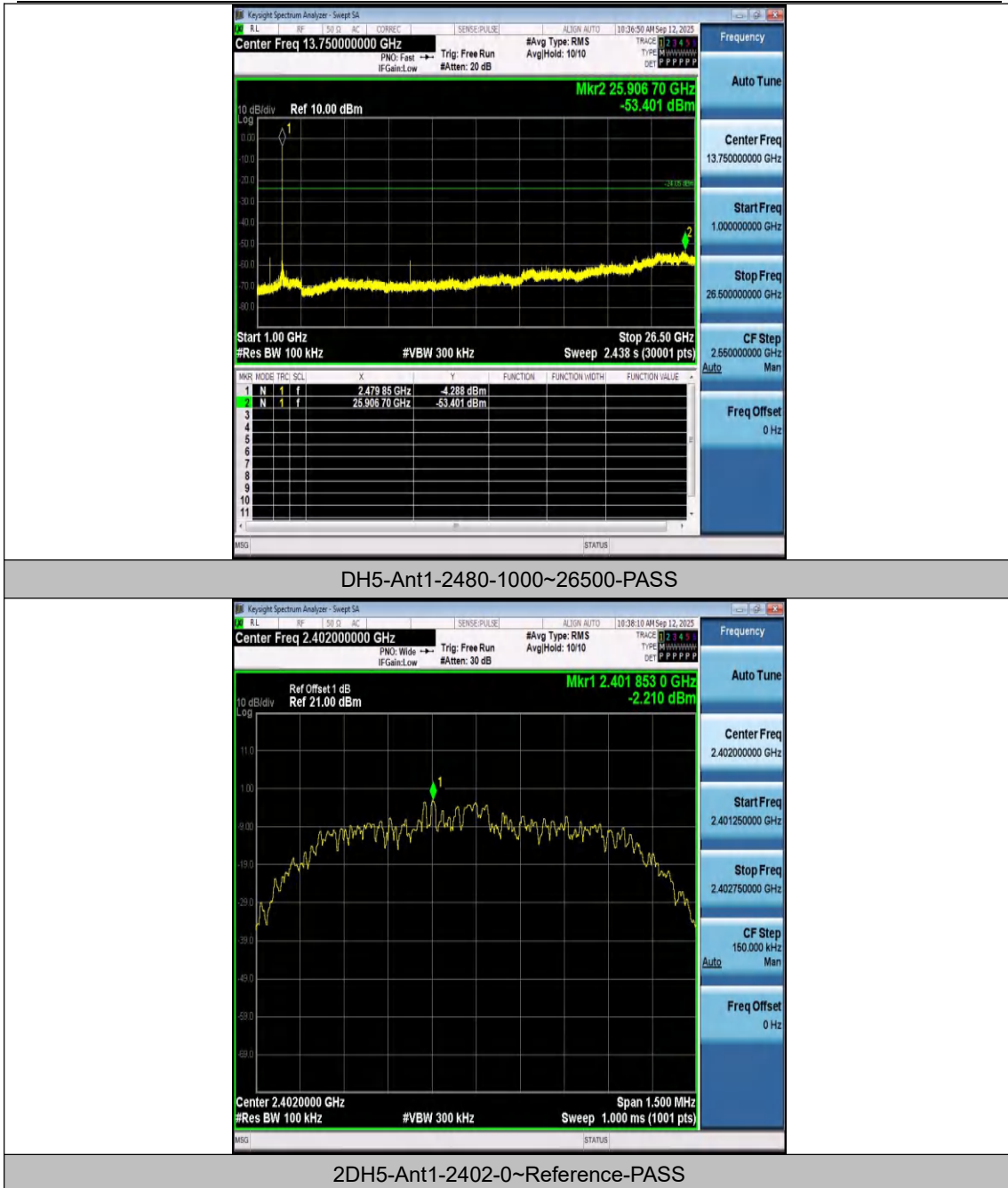
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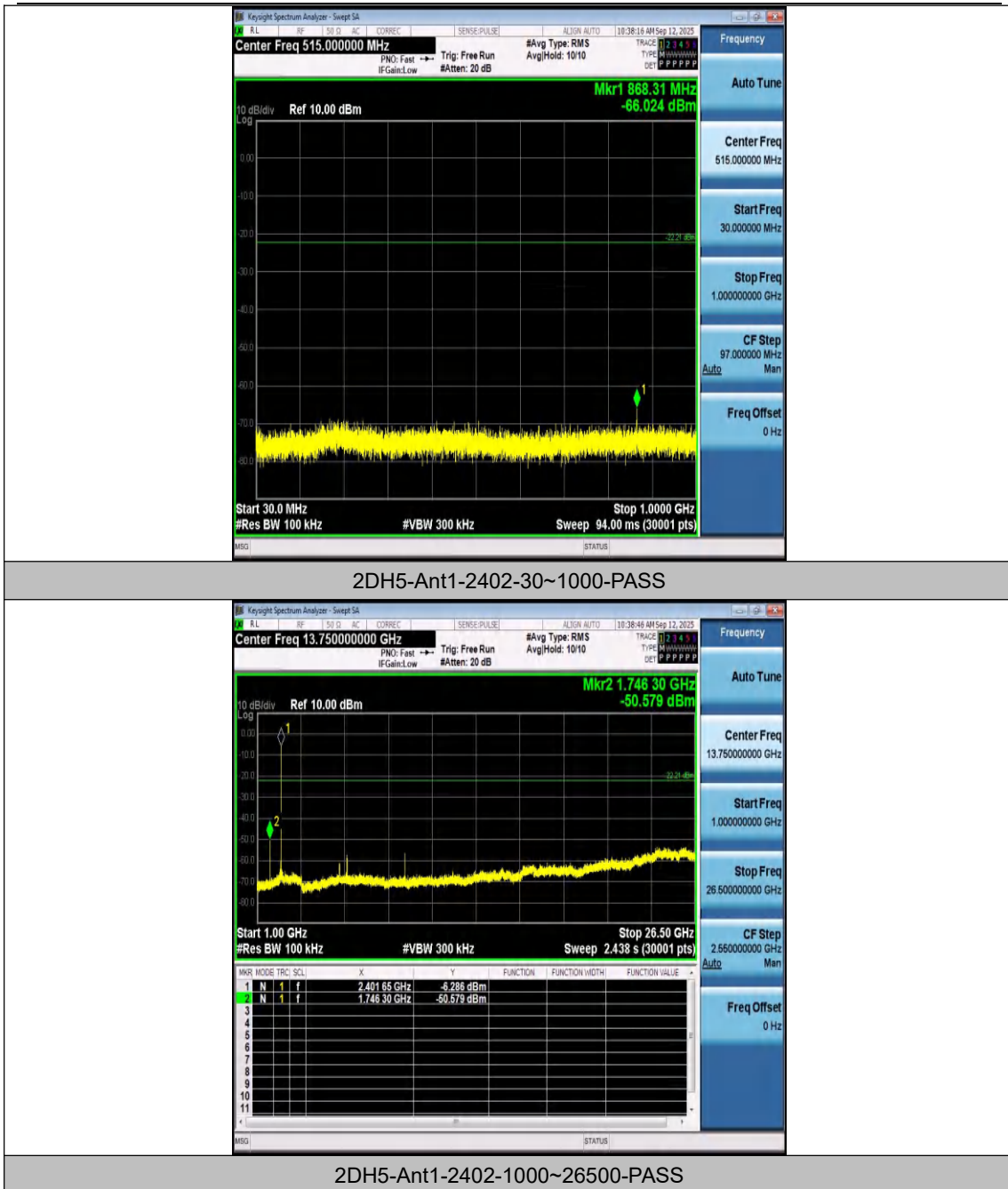
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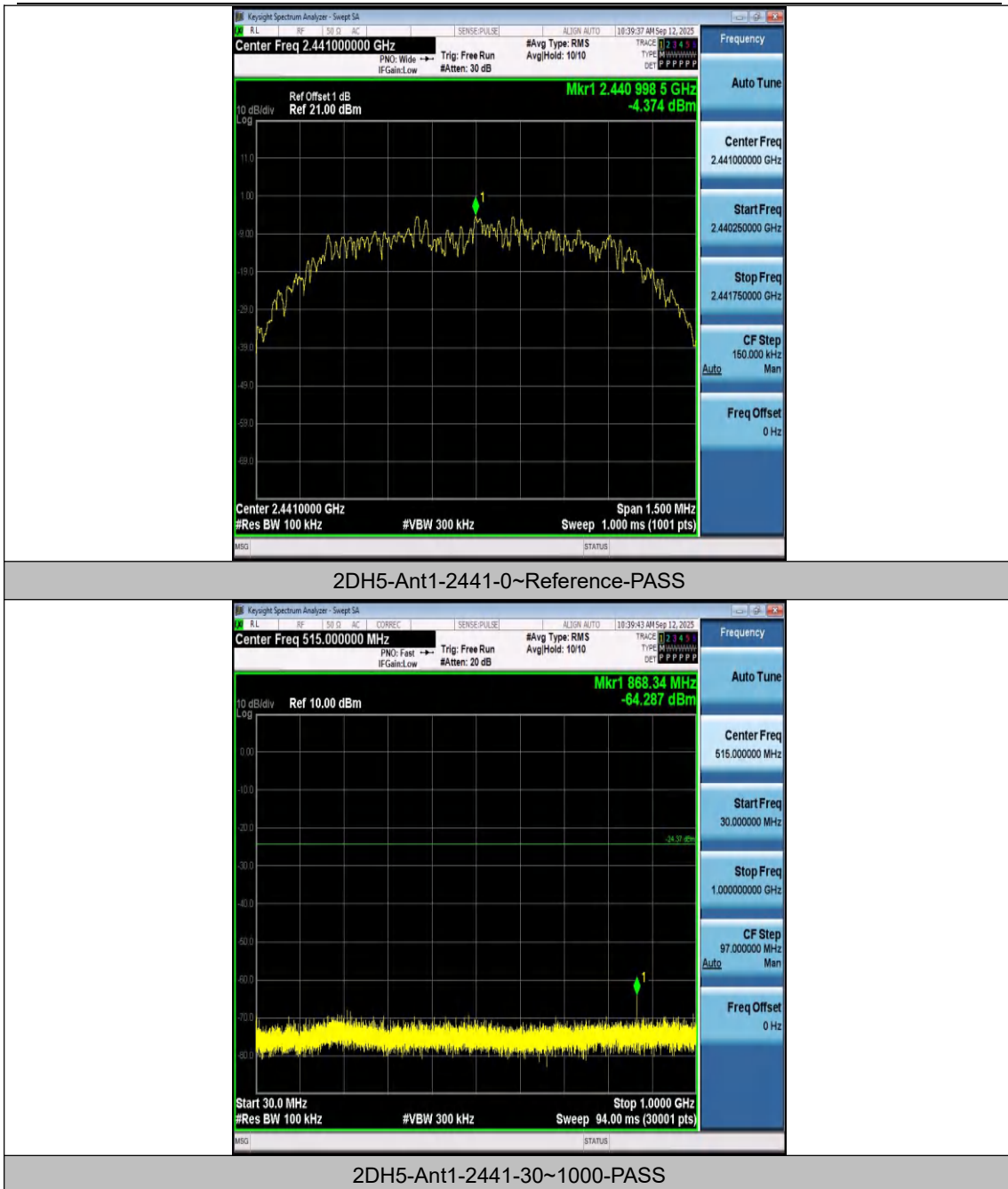
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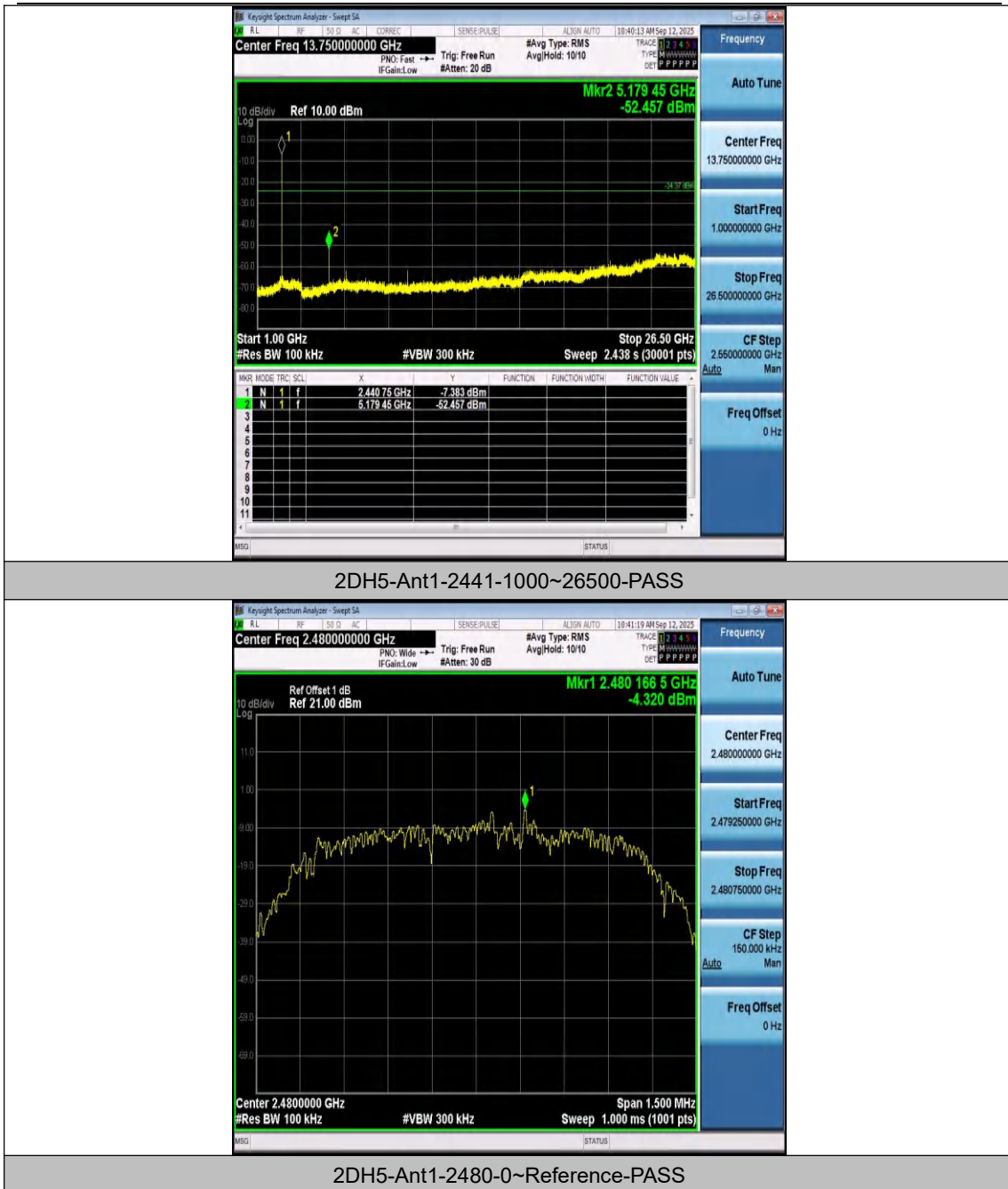
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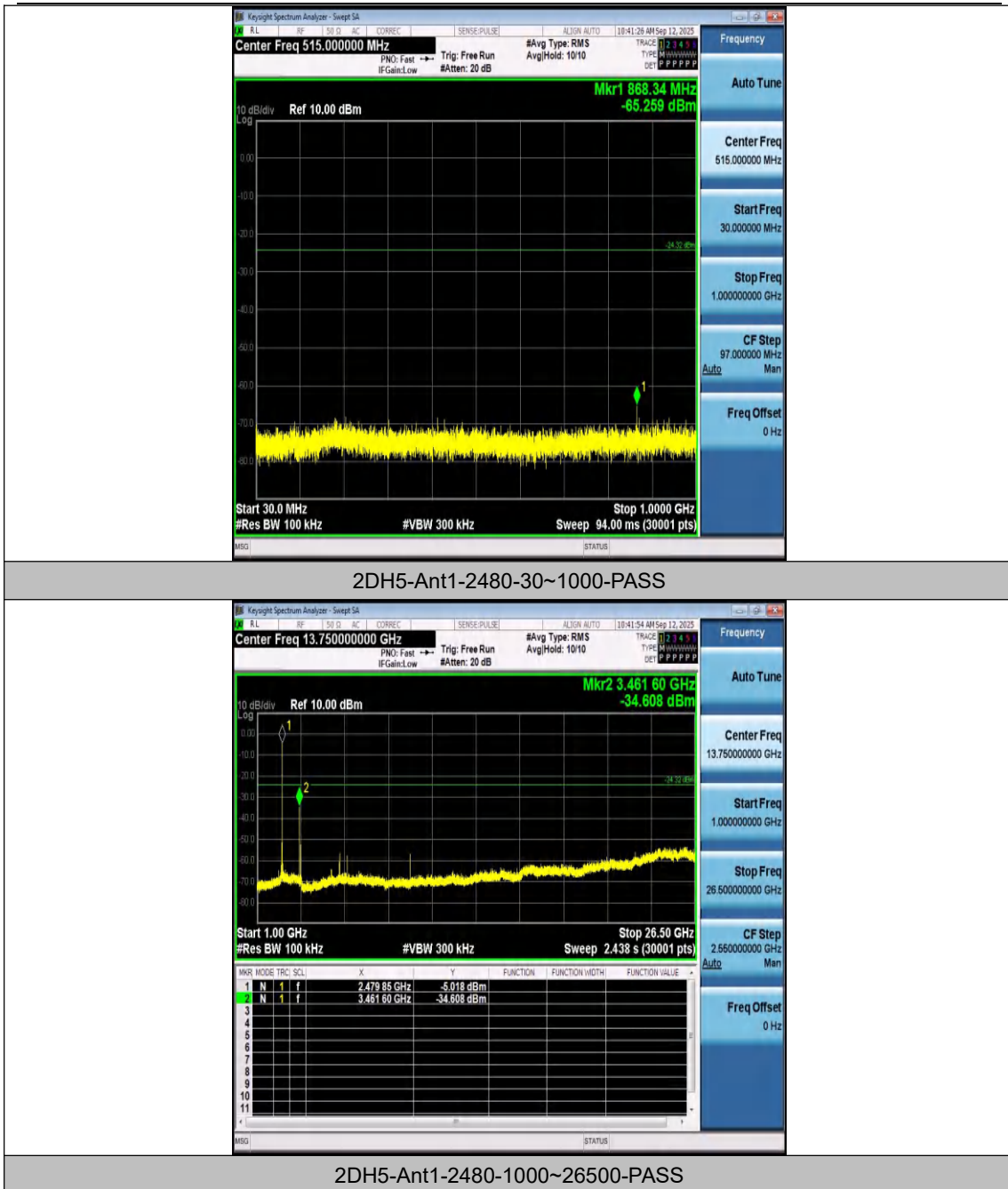
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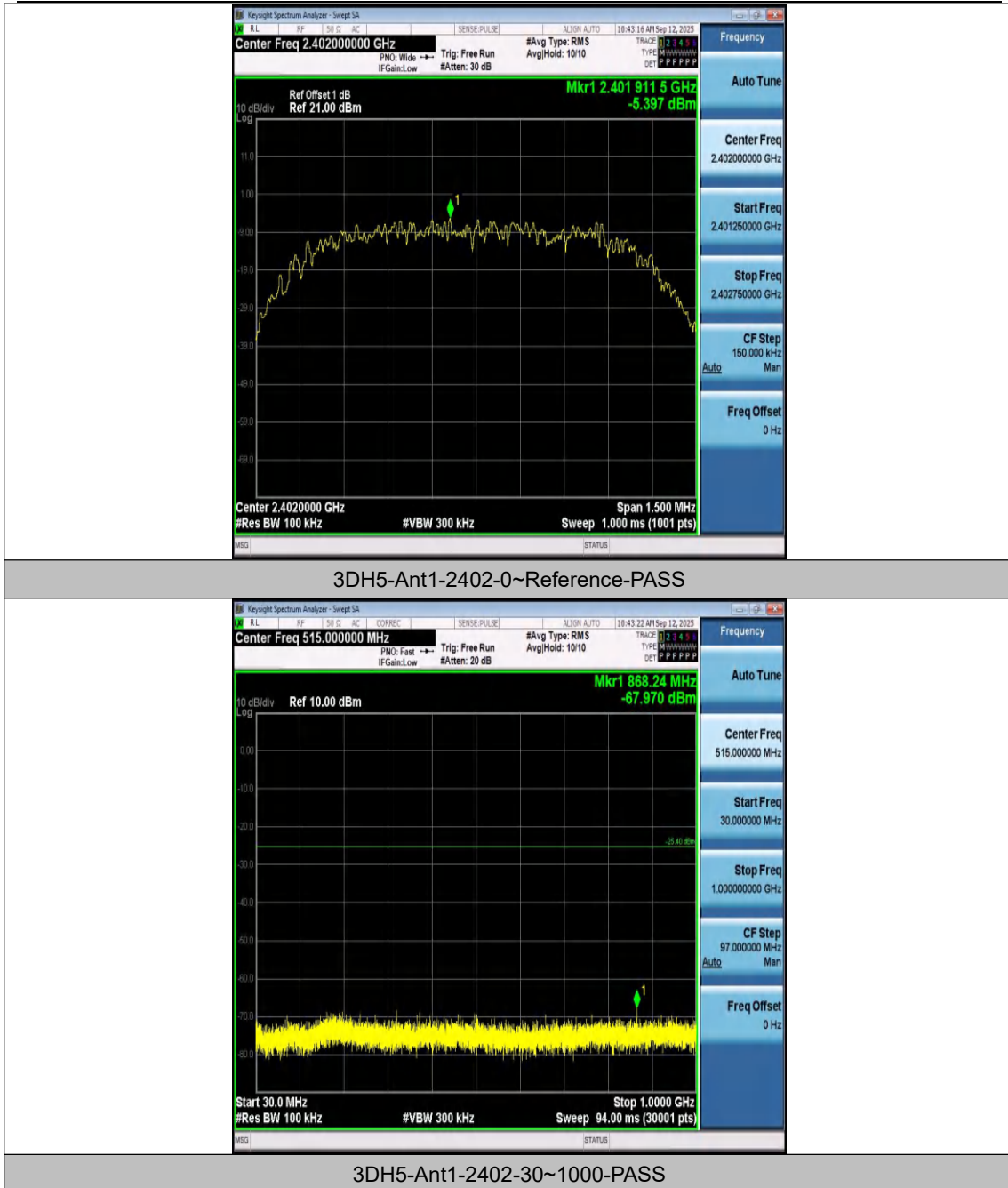
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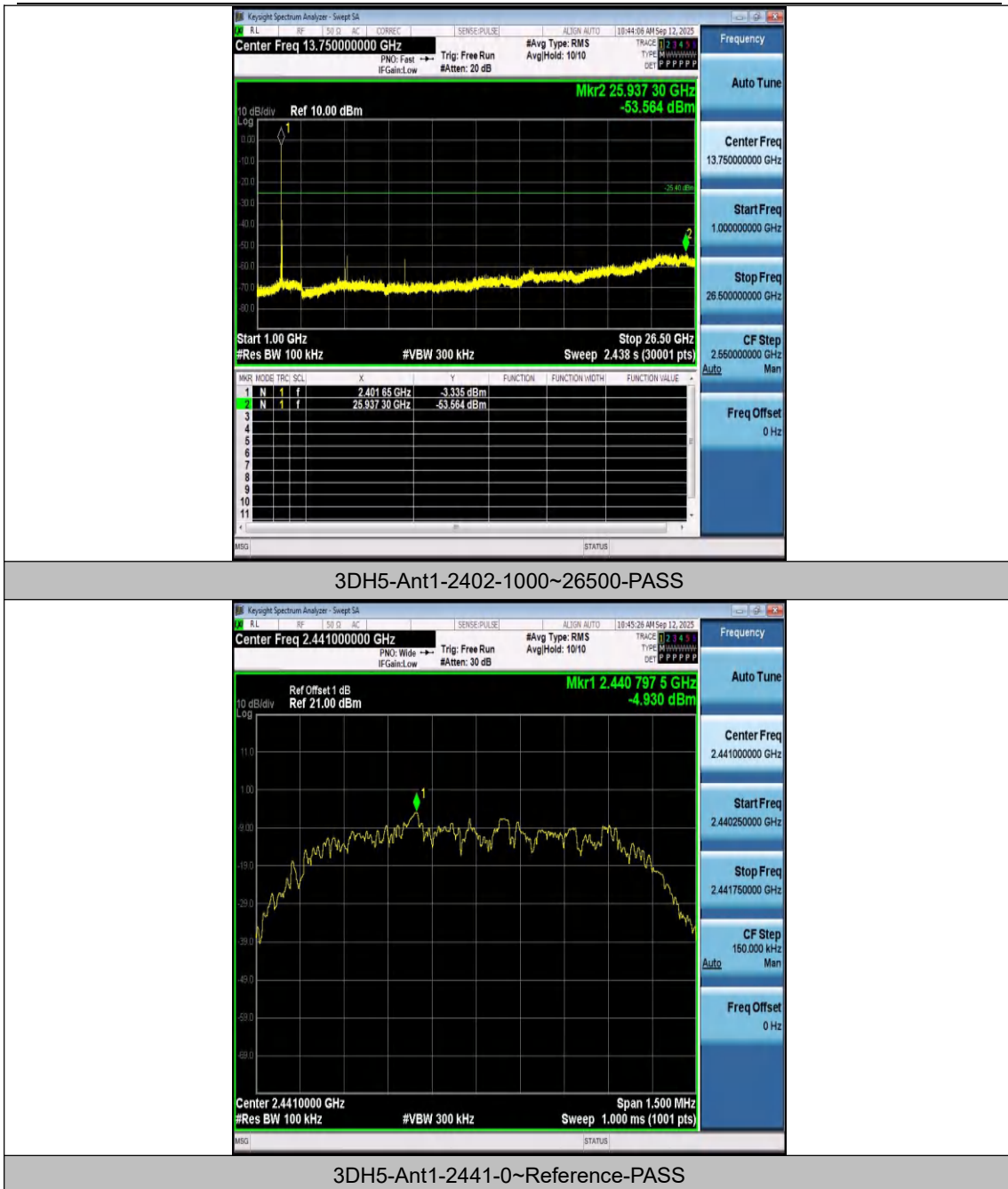
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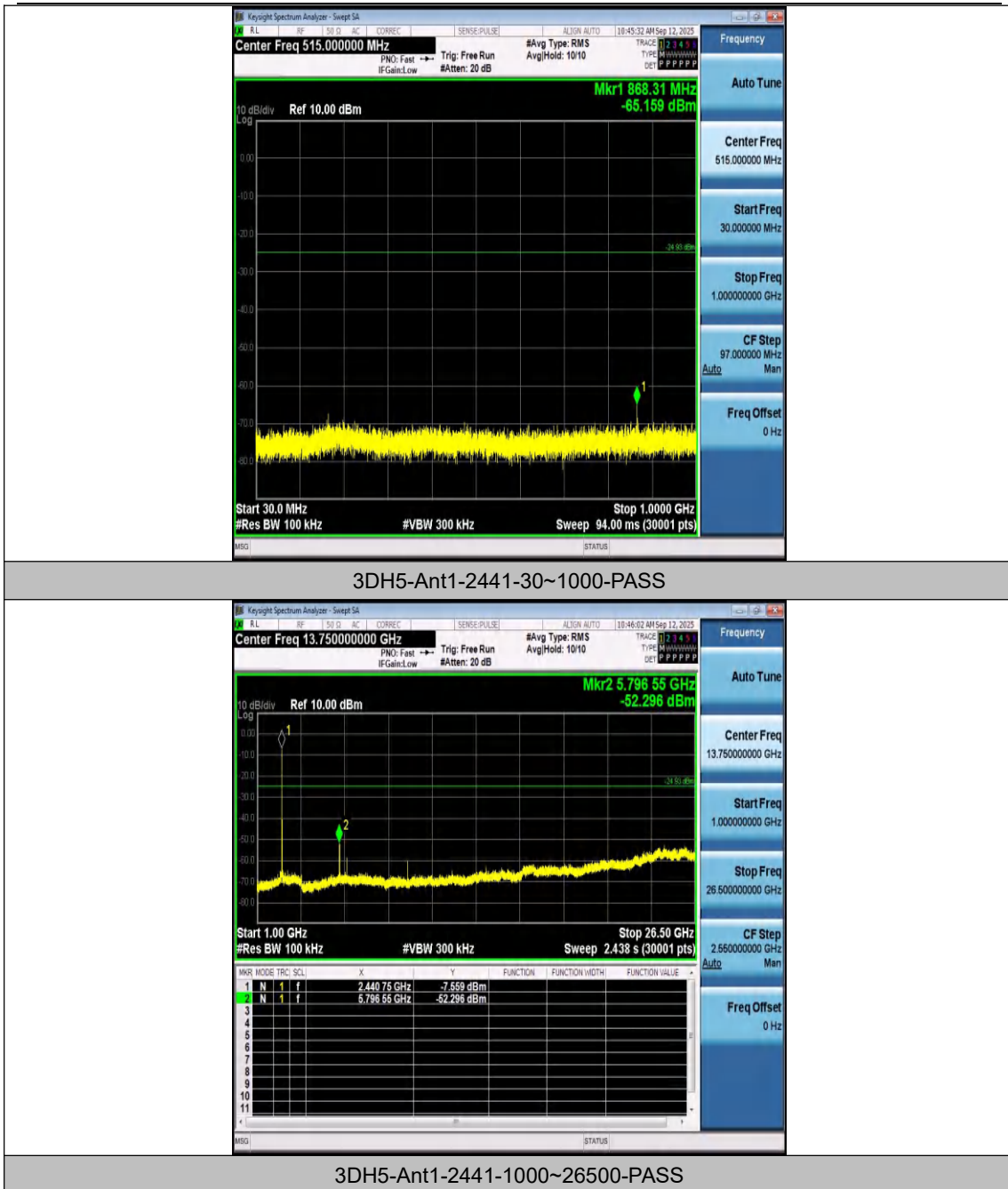
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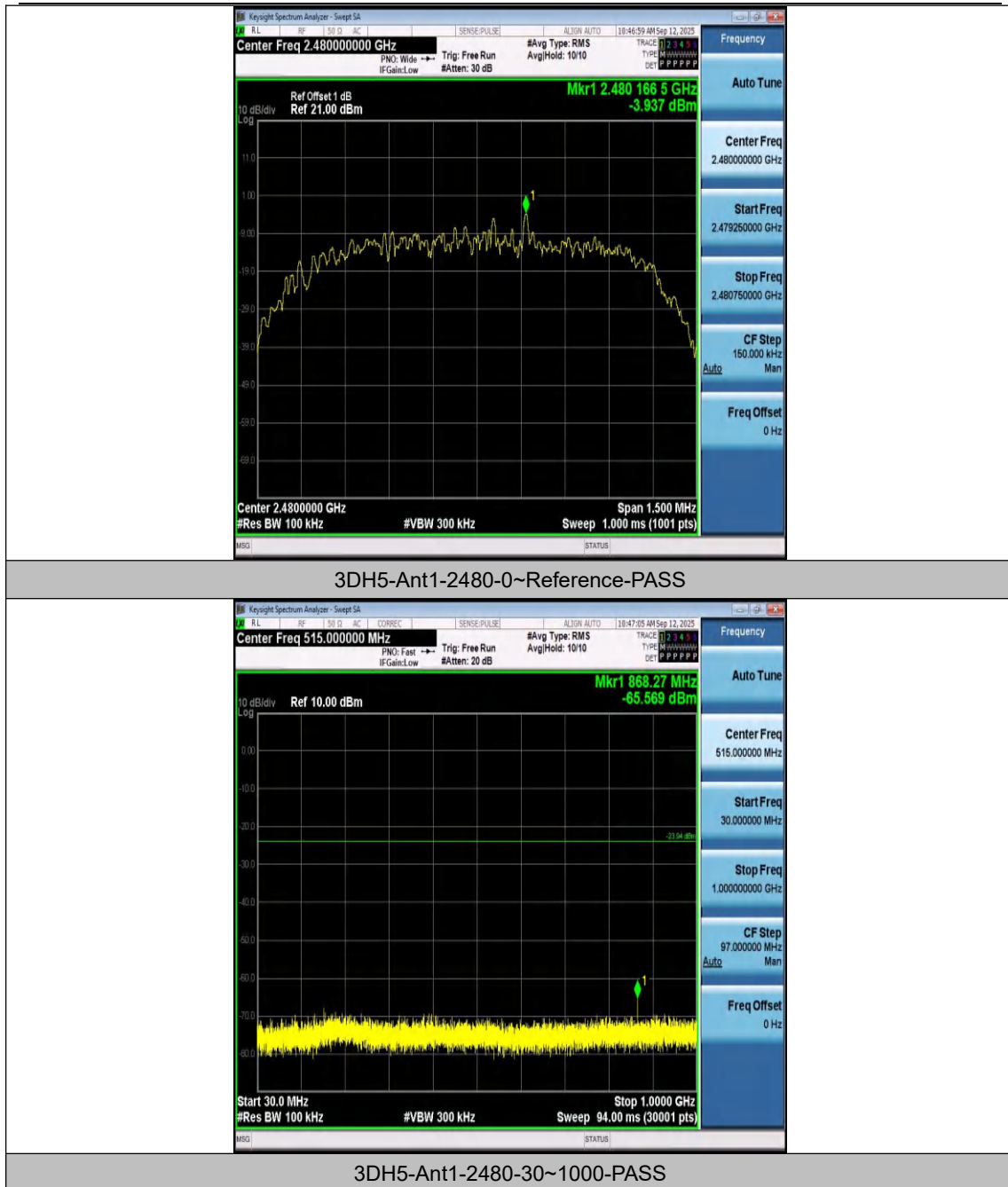
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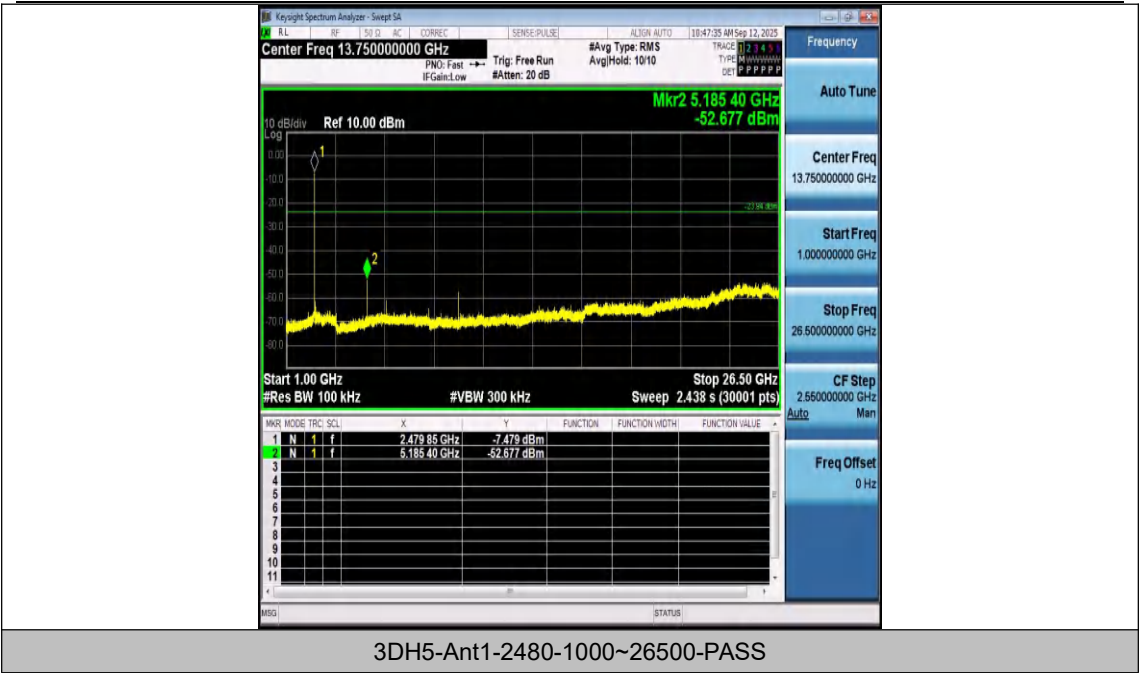
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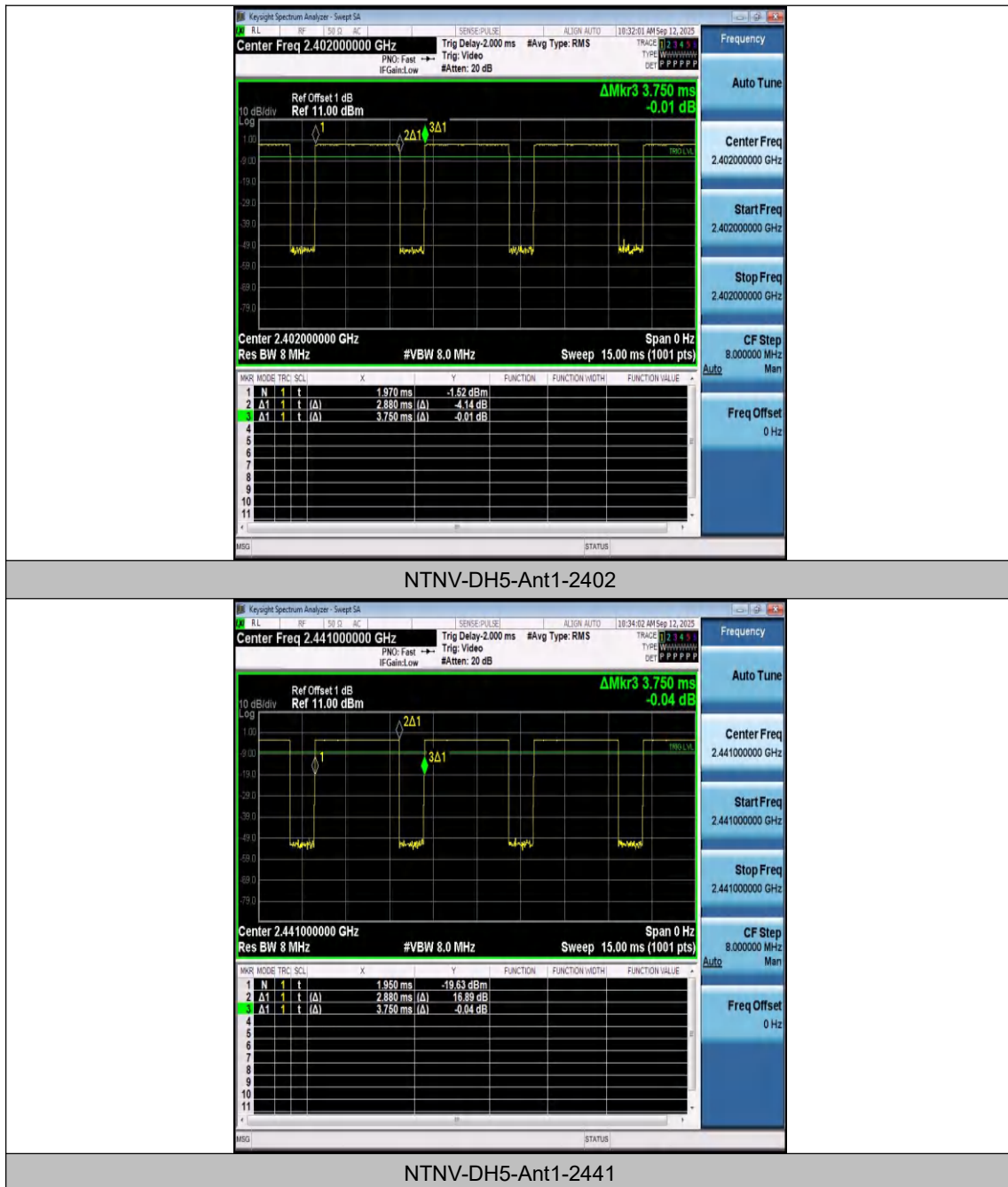
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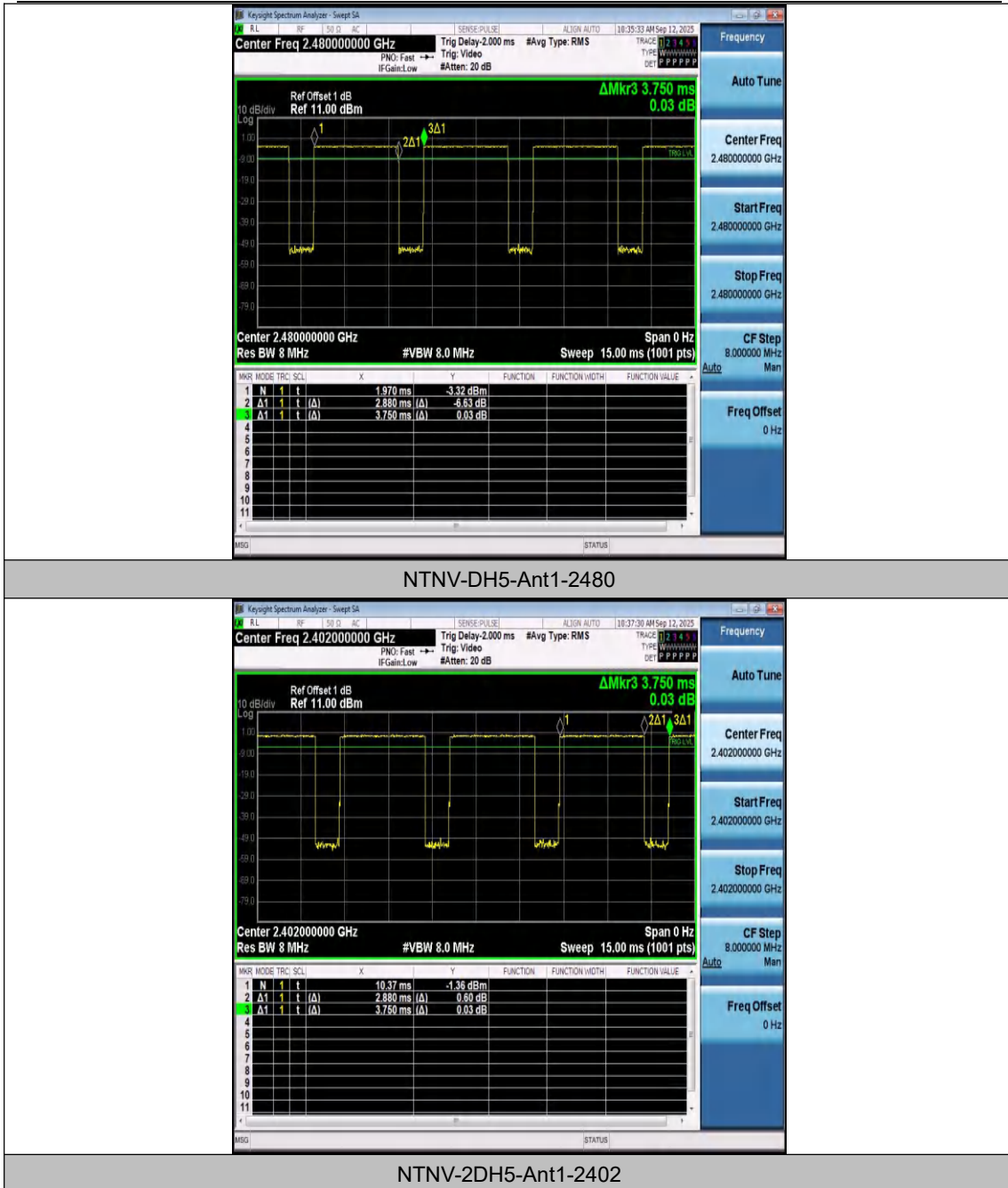
Appendix I: Duty Cycle

Test Result

Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.88	3.75	76.80	1.15
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.88	3.75	76.80	1.15
3DH5	Ant1	2402	2.88	3.75	76.80	1.15
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.89	3.75	77.07	1.13

Test Graphs

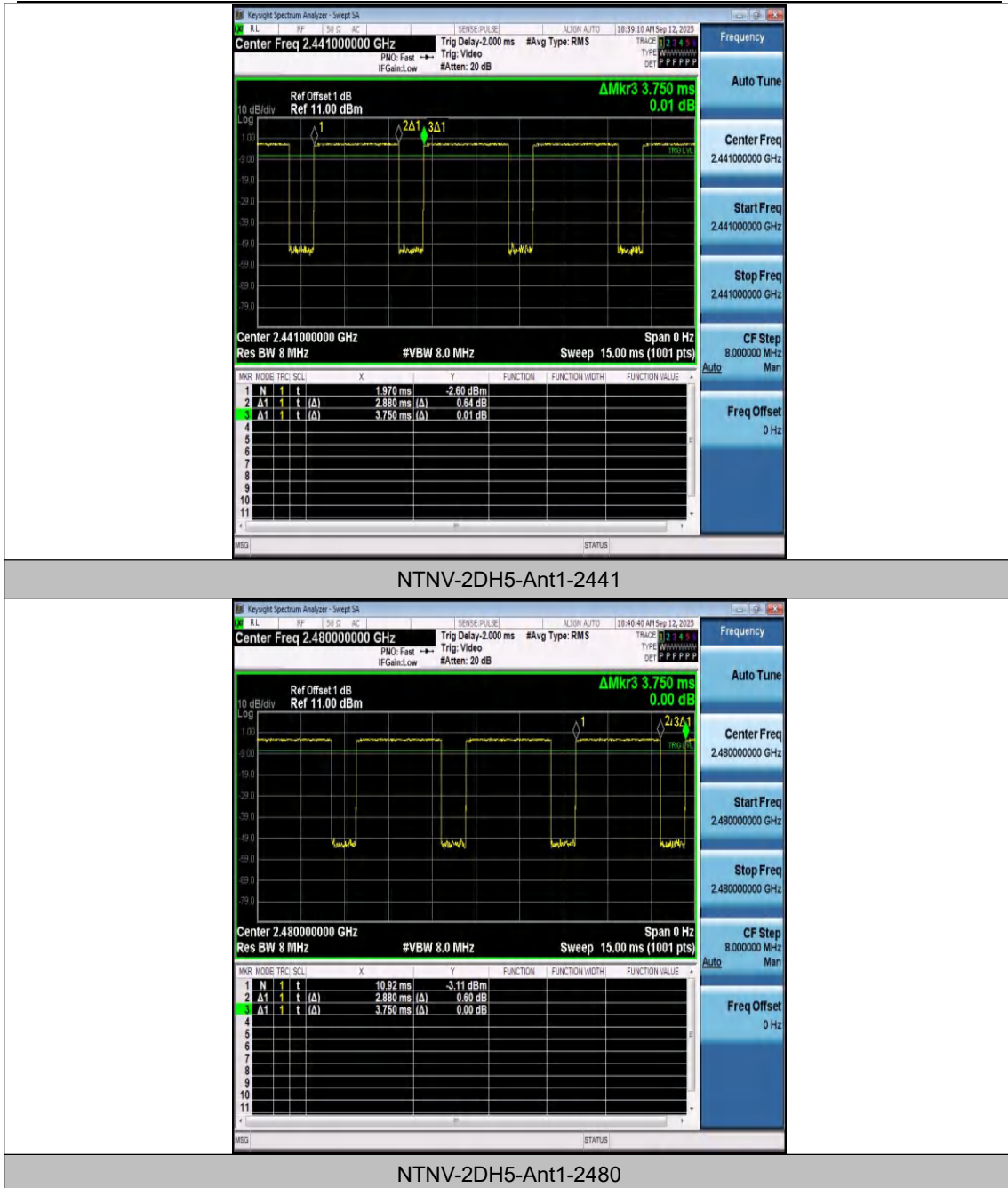


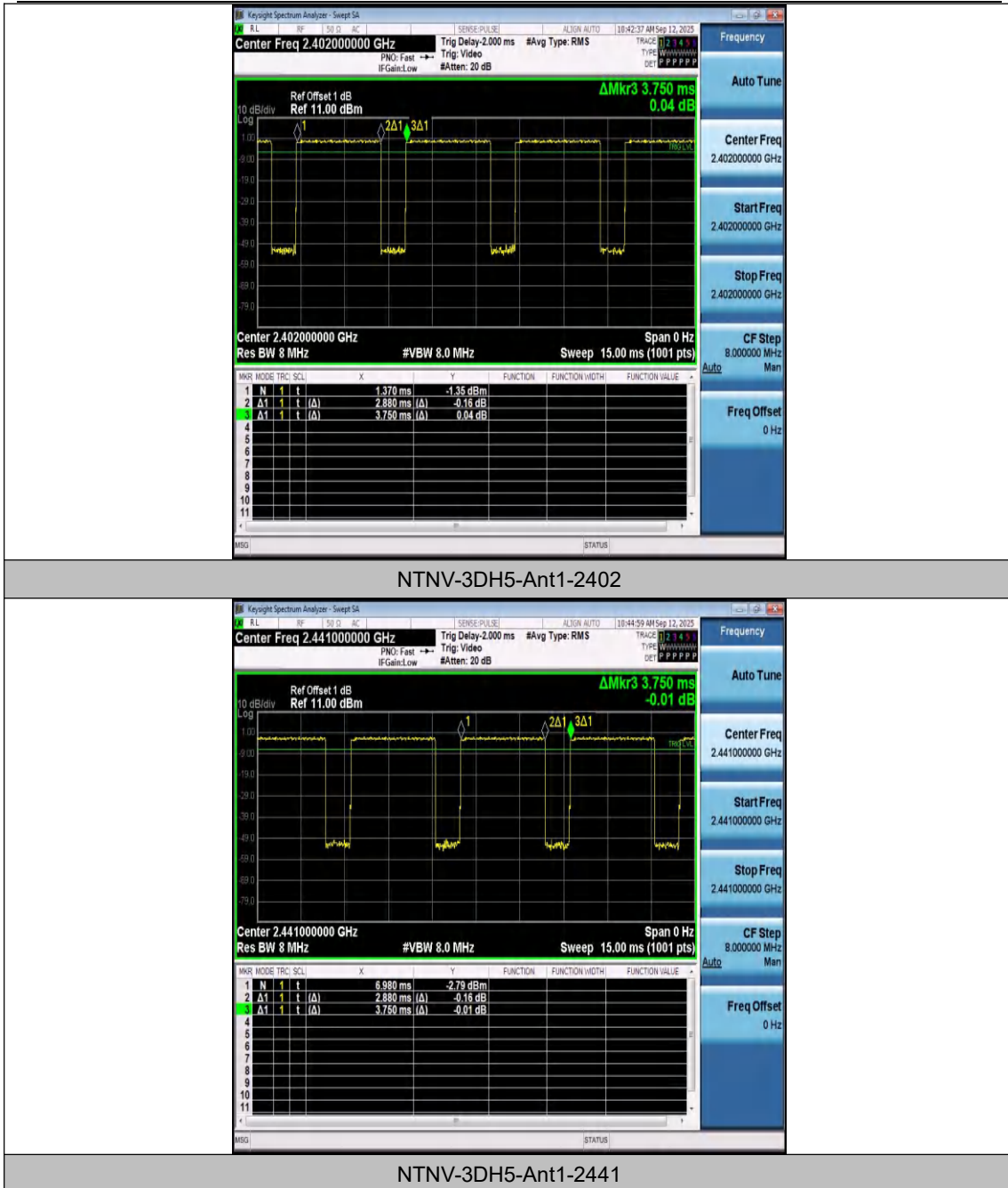


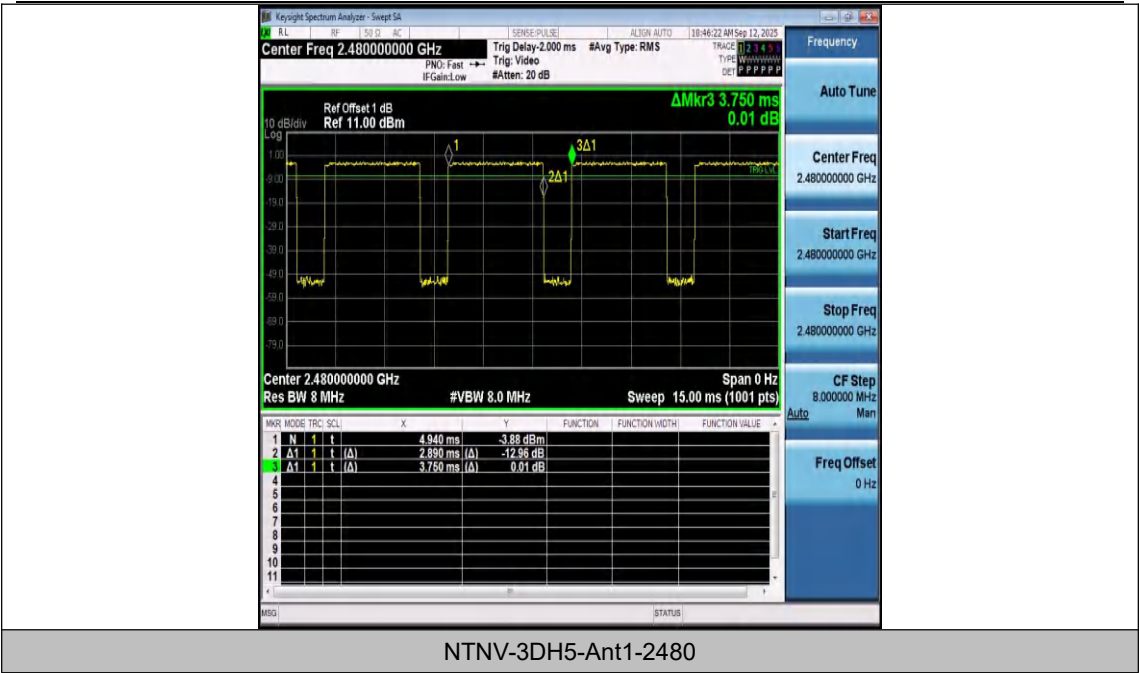
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NTNV-3DH5-Ant1-2480

---End---